

## CURRICULUM VITAE

### PERSONAL DATA

Name: Ronald Peter Lesser, M.D.

Address: 2-147 Meyer Building  
Johns Hopkins Hospital  
600 North Wolfe Street  
Baltimore, Maryland 21287-7247

Telephone: (410) 955-1270

Birth: January 17, 1946  
Los Angeles, California

Marital Status: Married to the former  
Sara Elizabeth Roesler  
Two children

### EDUCATIONAL BACKGROUND

Special Fellow: Electroencephalography, Cleveland Clinic Foundation, January 1979 - June 1979.

Residency: Neurology, Neurological Institute of New York, Columbia-Presbyterian Medical Center, New York, New York; July 1976 - January 1979.

Research Fellowship: Neurophysiology and Electroencephalography, Neurological Institute, Columbia-Presbyterian Medical Center, New York, New York; July 1975 - June 1976. Subject: Cortical evoked potentials at the penicillin focus in the cat.

Residency: Psychiatry, New York State Psychiatric Institute, Columbia-Presbyterian Medical Center, New York, New York; July 1973 - June 1976.

Internship: Straight Pediatrics, Mayo Graduate School of Medicine, Rochester, Minnesota; July 1970 - June 1971.

Graduate Education: University of Southern California School of Medicine, Los Angeles, California; September 1966 - June 4, 1970.

Undergraduate Education: Pomona College, Claremont, California; September 1962 - June 1966. B.A. (anthropology), June 1966. William Kirk Memorial Prize (anthropology), June 1966.

### PROFESSIONAL APPOINTMENTS

Professor of Neurology and Neurosurgery, Johns Hopkins University School of Medicine. Baltimore, Maryland. August 1993 - .

Member, Zanvyl Krieger Mind/Brain Institute, Johns Hopkins University,. 1989 - present.

Associate Professor of Neurology, Johns Hopkins University School of Medicine. Baltimore, Maryland. July 1986 - August, 1993. Director, The Johns Hopkins Epilepsy Center, and Electroencephalography Laboratory, 1986-1999.

Associate Professor of Neurosurgery, Johns Hopkins University School of Medicine. Baltimore, Maryland. December 1987 - August, 1993.

Staff Neurologist, Department of Neurology, Cleveland Clinic Foundation, Cleveland Ohio. January 1980 -June 1986. Director, Adult Seizure Clinic.

Assistant Clinical Professor of Neurology, Case Western Reserve University School of Medicine, Cleveland, Ohio. July 1980 - June 1986.

Clinical Associate, Department of Neurology, Cleveland Clinic Foundation, Cleveland, Ohio. July 1979 -December 1979.

Senior Assistant Surgeon, U.S. Public Health Service Indian Hospital, Rapid City, South Dakota. July 1971 -June 1973.

#### CERTIFICATIONS

National Board of Medical Examiners

(July 1971; #109103)

American Board of Psychiatry and Neurology: Psychiatry

(November 1978; #18363)

American Board of Psychiatry and Neurology: Neurology

(October 1980; #21736)

American Board of Qualification in Electroencephalography

(June 14, 1981)

American Board of Sleep Medicine

(March 31, 1984)

American Board of Psychiatry and Neurology: Added Qualifications in Clinical Neurophysiology

(June 26, 1992; #900848)

Certificate of Completion, The Johns Hopkins University School of Medicine, Office of Continuing Medical Education and School of Continuing Studies, Division of Business and Management. "The Business of Medicine." June 26, 1996.

#### LICENSES

New York: October 1972, #114233

California: November 1972, #G23724

Ohio: November 1978, #42857 (now expired)

Maryland: May 1986, #D33672

#### PROFESSIONAL AND RELATED EXPERIENCE

Senior Assistant Surgeon, Community Health Officer, Public Health Service Indian Hospital, Rapid City, South Dakota; July 1971 - June 1973.

Summer Trainee, Neurology, Mayo Graduate School of Medicine, Rochester, Minnesota; May 1969 - September 1969.

Summer Research Fellow, Neuromedicine, University of Southern California School of Medicine, Los Angeles, California; June 1968 - August 1968. Subject: Development of a neurological examination recording form suitable for computer entry purposes.

Summer Research Fellow, Biochemistry, University of Southern California School of Medicine, Los Angeles, California; June 1967 - August 1967. Subject: Investigation of the possible normal presence in human urine of N, N-Dimethyltryptamine, a psychotomimetic amine.

### MEMBERSHIPS

American Academy of Neurology (Fellow)

Member, Joint American Academy of Neurology-American EEG Society Committee on Digital EEG and EEG Brain Mapping, 1994-

American Association for the Advancement of Science

American Electroencephalographic Society

Chairman, Guidelines Committee, 1980 - 1986

Program Chairman, American Electroencephalographic Society-

American Epilepsy Society Joint Annual Meeting 1986

Member, Ad Hoc Joint American EEG Society / American Society of EEG Technologists Committee, 1985 - 1986

Member, Council 1987 - 1991

Treasurer, 1988 - 1991

Member, Journal Committee, 1988 -

Member, Electrode Position Nomenclature Committee, 1988 - 1990

Member, Ad-hoc Committee on Guidelines for Polysomnography

Chairman, Committee on Psychophysiological Research, 1991- 1993

Member, Practice of EEG Committee, 1993-1994

Second Alternate Delegate, International Federation of Societies for Clinical Neurophysiology

Eastern Association of Electroencephalographers (1987 - )

Central Association of Electroencephalographers (1979 - 1987)

Chairman, Future Meetings Committee 1983 - 1985

American Epilepsy Society

Chairman, Membership Committee, 1982 - 1984

Program Chairman, American Electroencephalographic Society-

American Epilepsy Society Joint Annual Meeting 1986

Member, Rules Committee, 1984

Member, Lennox Award and Lecture Committee, 1986

Chairman, Local Arrangements Committee, Annual Meeting, 1987

Ronald P. Lesser, M.D.

4

Chairman, Committee on Government and Legislative Affairs, 1987-1990  
Member, Committee on Government and Legislative Affairs, 1992-1995  
Member, Lennox Trust Committee, 1991 - 1996  
Liaison to National Association of Epilepsy Centers, 1992-1995  
Consultant, Status Epilepticus Physician Education Program, 1992-1993.  
Chairman, Membership Committee, 1997 - 2000

American Neurological Association (1988 - )

American Psychiatric Association (1974 - 1987)

American Sleep Disorders Association (Fellow)

New York Academy of Sciences

Maryland Neurological Society

Society for Neuroscience

Academy of Aphasia

#### OTHER APPOINTED ACTIVITIES

Editor, Merritt-Putnam Quarterly, 1989-1992

Associate Editor, Epilepsy Advances, 1988-1992

Consulting Editor, Electroencephalography and Clinical Neurophysiology, 1992-1995

Member, Editorial Board

Electroencephalography and Clinical Neurophysiology, 1992-  
Epilepsia, 1992-1997

Epilepsy Advances, 1985-1988

Epilepsy Research, 1987-

Neurology 1994-1997

Neuro-View Trends in Clinical Neurology, 1986-1987

Therapeutic Drug Monitoring, 1987- 2001

Journal of Clinical Neurophysiology, 1990-

Journal of Neurosurgical Anesthesiology, 1990- 96

Thermology, 1990-1994

Ad Hoc Reviewer

Annals of Biomedical Engineering

Annals of Neurology

Archives of Neurology

Brain

Brain and Language

Electroencephalography and Clinical Neurophysiology  
Epilepsia  
Journal of the American Medical Association  
Journal of Cerebral Blood Flow and Metabolism  
Journal of Epilepsy  
Journal of The International Neuropsychological Society  
Journal of Neurology, Neurosurgery and Psychiatry  
Mayo Clinic Proceedings  
Muscle and Nerve  
Nature - Medicine  
Neurology  
Neuroscience Letters  
Neurosurgery  
Pediatric Neuroscience  
Psychosomatics  
Therapeutic Drug Monitoring

Associate Examiner

American Board of Qualification in Electroencephalography  
American Board of Psychiatry and Neurology

Consultant, Advisory Committee on Immunization Practices, Center for Disease Control, Atlanta, Georgia; December 29, 1976.

Chairman, Workshop on Evoked Potentials, 7th International Congress of  
Electromyography. Munich, Federal Republic of Germany. October 12, 1983.

Chairman, American EEG Society-American Society of EEG Technologists Joint Symposium on "Use of  
Neurophysiologic Techniques in the Operating Room", American EEG Society Annual Meeting, Salt Lake City,  
Utah. September 14, 1984.

Advisory Consultant, NINCDS Site Visit at Minnesota Comprehensive Epilepsy Program, Minneapolis-St. Paul,  
Minnesota, December 13-14, 1985.

Special Consultant (ad-hoc reviewer), Fogarty International Fellowship Applications, Biomedical Sciences Study  
Section Subcommittee 5, National Institutes of Health, Bethesda, Maryland, January 22-24, 1986.

Ad-hoc reviewer, National Science Foundation research projects awards program, 1986-1987.

Advisory Consultant, Neurological Disorders Program Project Review B Committee, National Institute of  
Neurological Disorders and Stroke, Site Visit at Center for Clinical Research in Epilepsy, University of  
Washington School of Medicine, Seattle, Washington, July 27-29, 1987.

Member, Neurology C Ad Hoc V Study Section, National Institute of Neurological Disorders and Stroke, Arlington,  
Virginia, April 11, 1988.

Member, Ad Hoc Reference Committee on Drug Monitoring  
Epilepsy Foundation of America, 1983-1984

Member, Professional Advisory Board  
Epilepsy Foundation of America Northeast Ohio Chapter, 1983-1986

Member, National Advisory Committee  
Skills Training and Employment Preparation Service, Epilepsy Foundation of America, Northeast Ohio Chapter,  
1984-1986.

Member, Professional Advisory Board, Epilepsy Foundation of America. July 1987 - 1996

Member, Continuing and Professional Education Committee. 1987 - 94

Member, Client and Public Information Committee. 1988 - 93

Member, Epilepsy Advances Editorial Advisory Committee. 1987 - 1992  
Member, Symposium Review Subcommittee. 1987 - 1989  
Chairman, Symposia Review Subcommittee. 1989  
Member, Materials Development and Oversight Committee,  
Status Epilepticus Project. 1990 - 1993  
Member, Subcommittee on Guidelines. 1991 - 93  
Member, Professional Advisory Board, Epilepsy Association of Maryland  
International Referee, Health Research Council of New Zealand. 1993, 1997  
Member, Risk, Prevention and Health Behavior IRG - Study Section 3, National Institutes of Health 1999-

### GRANTS

Collaborating Investigator, American Heart Association Northeast Ohio Affiliate Grant #4251 R. "Treatment of Acute Focal Cerebral Ischemia" July 1981 - June 1982

Collaborating Investigator, Cleveland Foundation Grant #81-525-31R. "Treatment of Acute Focal Cerebral Ischemia" January 1981 - December 1982.

Collaborating Investigator, American Heart Association Grant #83-616.  
"Treatment of Acute Focal Cerebral Ischemia" July 1983 - June 1985.

Principal Site Investigator, Warner-Lambert Company Protocol 912-10. "A Study to Determine the Efficacy and Safety of a Range of Doses of CI-912 in the Treatment of Partial Seizures in Medically Refractory Patients." 1985-1986.

Principal Site Investigator, Lorex Pharmaceuticals Protocol LPG14. "Evaluation of the Long Term Efficacy and Safety of Progabide in Epilepsy: A Multicenter Study." 1985-1986.

Principal Site Investigator, Warner-Lambert Company Protocol #945-5-4. "A Double-Blind Placebo-Controlled Multicenter Study to Determine the Safety and Efficacy of Gabapentin as Add-On Therapy in the Treatment of Partial Seizures." 1987-1990.

Co-Investigator, "Glycerol Trioleate Therapy of Adrenoleukodystrophy." NIH Grant #2PO1HD10981. January 1988 - December 1990.

Principal Site Investigator, Warner-Lambert Company Protocol #945-13-4, "An Open-Label Multicenter Study of the Safety and Efficacy of Gabapentin as Add-on Therapy in the Extended Treatment of Epileptic Seizures." 1988-1990

Principal Site Investigator, Warner-Lambert Company Protocol #945-15-4, "An Open-Label Multicenter Study of the Safety and Efficacy of Gabapentin As Monotherapy or Add-on Therapy in the Long Term Treatment of Epileptic Seizures." 1988-1990

Co-Investigator, "Glycerol Trioleate Therapy for ALD/AMN" FDR000227-03. October 1988 - September 1989.

Co-Principle Investigator, National Institutes of Health Grant #1 RO1 NS26553-01, "Language Organization Studied by Cortical Stimulation." April 1989 - March 1994.

Co-Investigator, Seaver Institute Grant: "Dyslexia studied by Direct Electrical Cortical Interference in Humans" Seaver Institute. August 1, 1989 - February 28, 1991.

Principle Site Investigator, Wallace Protocol #253, "Open Label, Follow-up, Long-term Felbamate Therapy in Adult Subjects with Epilepsy." June 1989 - June 1992.

Principle Site Investigator, Wallace Protocol #255, "A Multicenter Open-Label Long-Term Evaluation of the Safety of Felbamate in Subjects with Epilepsy." 1990 - 1992.

Principle Site Investigator, Wallace Protocol #230, "Study of Felbamate as Adjunctive Therapy in Subjects Undergoing Surgical Evaluation of Partial Seizures." August 1989 - August 1991.

Co-Investigator, National Institutes of Health Program Project Grant NS 15080. "Program for the Study of Neuroreceptor Binding in Man." Project 2: "Benzodiazepine Receptor Quantification in Epilepsy." December 1989 - November 1994.

Co-Investigator, "A Program of Research and Training in the Neurobiology of Language". McDonnell Foundation-Pew Charitable Trusts Program in Cognitive Neuroscience. January 1, 1990 - December 31, 1992.

Co-Investigator, "Evoked Responses, Temporal Lobe Anatomy and Symptoms in Schizophrenia". The Scottish Rite Schizophrenia Research Program. August 1, 1990 - July 31, 1992.

Co-Investigator, Follow-Up Study of Neurological Risks in Amateur Boxers". NIH Grant #2RO1 NS26450-04. December 1, 1990 - November 30, 1994.

Co-Principal Investigator, National Institutes of Health Grant #1 RO1 NS29973, "Cognitive and Neuroanatomic Studies of Acquired Dyslexias." December 1, 1992 - November 30, 1997.

## PUBLICATIONS

1. Positive Fluorescent Treponemal Antibody Test in Systemic Lupus Erythematosus in Childhood: Report of a case. Lesser RP and O'Connell EJ. *Pediatrics* 79:1006-1007, 1971.
2. Epidemiologic Features of the Guillain-Barre Syndrome. Lesser RP, Hauser WA, Kurland LT, and Mulder DW. *Neurology* 23:1269-1272, 1973.
3. Dystonia: A Disorder Often Misdiagnosed as a Conversion Reaction. Lesser RP and Fahn S. *American Journal of Psychiatry* 135:349-357, 1978.
4. The Effect of Stimulus Intensity on Short Latency Somatosensory Evoked Potentials. Lesser RP, Koehle R, and Lueders H. *Electroenceph Clin Neurophysiol* 47:377-382, 1979.
5. Analysis of the Clinical Problems in Parkinsonism and of the Complications of Long-Term Levodopa Therapy. Lesser RP, Fahn S, Snider SR, Cote LJ, Isgreen WP, Barrett RE. *Neurology* 29:1253-1260, 1979.
6. Acute Generalized Polyneuropathy Accompanying Lithium. Brust JCM, Hammer JS, Challenor Y, Heaton EB, Lesser RP. *Ann Neurol* 6:360-362, 1979.

7. Treatment of Acute Focal Ischemia with Dimethyl Sulfoxide. Little JA, Cook A, Lesser RP. *Neurosurgery* 9:34-39, 1981.
8. Early Somatosensory Potentials Evoked by Median Nerve Stimulation: Intraoperative Monitoring. Lesser RP, Lüders H, Hahn J, Klem G. *Neurology* 31:1519-1523, 1981.
9. Simple Technique for Monitoring Intraoperative Spinal Cord Function. Hahn JF, Lesser RP, Klem G, Lüders H. *Neurosurgery* 9:692-695, 1981.
10. Treatment of Acute Focal Ischemia with Concentrated Albumin. Little JR, Slugg RM, Batchaw JP, Jr., Lesser RP. *Neurosurgery* 9:552-558, 1981.
11. Paradoxical Lateralization of Cortical Potentials Evoked by Stimulation of Posterior Tibial Nerve. Cruse R, Klem G, Lesser RP. *Neurosurgery* 11:16-19, 1982.
12. Preservation of Cochlear Nerve Function with the Aid of Brainstem Evoked Potentials. Hardy RW, Kinney SE, Lüders H, Lesser RP. *Neurosurgery* 11:16-19, 1982.
13. Treatment of Acute Focal Ischemia with Propranolol. Little JR, Latchaw JP, Slugg RM, Lesser RP, Stowe NT. *Stroke* 13:302-307, 1982.
14. Paradoxical Lateralization of Parasagittal Sharp Waves in a Patient with Epilepsia Partialis Continua. Adelman S, Lüders H, Dinner DS, Lesser RP. *Epilepsia* 23:291-295, 1982.
15. Chronic Cortical Electrode Array for Seizure Investigation. Levy WJ, Hahn JH, Lüders H, Lesser RP. *Child's Brain* 9:48-52, 1982.
16. Surgical Monitoring of Spinal Cord Function: Cauda Equina Stimulation Technique. Lüders H, Hahn J, Gurd A, Tsuji S, Dinner D, Lesser RP, Klem G. *Neurosurgery* 11:482-485, 1982.
17. Origin of Far-Field Subcortical Evoked Potentials to Posterior Tibial and Median Nerve Stimulation. Lüders H, Dinner DS, Lesser RP, Klem G. *Arch Neurol* 40:93-97, 1983.
18. Case Report: Disorder of Excessive Somnolence Due to Central Nervous System Lymphoma. Lesser RP, St. Louis P, Dinner DS, Hanson M, Little JR, Slugg Ph. *Neurosurgery* 12:115-119, 1983.
19. Evidence for Epilepsy is Rare in Patients with Psychogenic Seizures. Lesser RP, Lüders H, and Dinner DS. *Neurology* 33:502-504, 1983.
20. Treatment of Acute Focal Cerebral Ischemia with Prostacyclin. Awad I, Little JR, Lucas F, Skrinska V, Slugg R, Lesser RP. *Stroke* 14:203-209, 1983.
21. Modification of Focal Cerebral Ischemia by Prostacyclin and Indomethacin. Awad I, Little JR, Lucas F, Slugg R, Skrinska V, Lesser RP. *J Neurosurg* 58:714-719, 1983.
22. Effects of Verapamil on Acute Focal Cerebral Ischemia. Reedy DP, Little JR, Capraro JA, Slugg RM, Lesser RP. *Neurosurgery* 12:272-276, 1983.



23. Brain Stem Auditory Evoked Potentials in Posterior Circulation Surgery. Little JR, Lesser RP, Lüders H, Furlan AJ. *Neurosurgery* 12:496-502, 1983.
24. Cortical Somatosensory Evoked Potentials in Response to Hand Stimulation. Lüders H, Lesser RP, Hahn J, Dinner D, and Klem G. *J Neurosurg* 58:885-894, 1983.
25. Sensory Seizure Mimicking a Psychogenic Seizure. Lesser RP, Lüders H, Conomy JP, Furlan AJ, and Dinner DS. *Neurology* 33:800-802, 1983.
26. Subcortical Somatosensory Evoked Potentials to Median Nerve Stimulation. Lüders H, Lesser RP, Hahn J, Little J, and Klem G. *Brain* 106:341-372, 1983.
27. Ineffectiveness of DMSO in Treating Experimental Brain Ischemia. Little JR, Spetzler RF, Roski RA, Selman WR, Zabramski J, Lesser RP. *Ann NY Acad Sci* 411:269-277, 1983.
28. Recording of Auditory Evoked Potentials in Man Using Chronic Subdural Electrodes. Lee YS, Lüders H, Dinner D, Lesser RP, Hahn J, Klem G. *Brain* 107:115-131, 1984.
29. The Location of Speech and Writing Functions in the Frontal Language Area: Results of Extraoperative Cortical Stimulation. Lesser RP, Lüders H, Dinner DS, Hahn J, Cohen L. *Brain* 107:275-291, 1984.
30. Far-Field Auditory Evoked Potentials in Near-Miss Sudden Infant Death Syndrome. Lüders H, Orlowski JP, Dinner DS, Lesser RP, Klem G. *Arch Neurology* 41:615-617, 1984.
31. Effect of Stimulus Intensity on Subcortical and Cortical Somatosensory Evoked Potentials by Posterior Tibial nerve Stimulation. Tsuji S, Lüders H, Dinner DS, Lesser RP, Klem G. *Electroenceph Clin Neurophysiol* 59:229-237, 1984.
32. Subcortical and Cortical Somatosensory Potentials Evoked by Posterior Tibial Nerve Stimulation: Normative Values. Tsuji S, Lüders H, Lesser RP, Dinner DS, Klem G. *Electroenceph Clin Neurophysiol* 59:214-228, 1984.
33. Treatment of Acute Focal Cerebral Ischemia with Propranolol. Capraro JA, Reedy DP, Latchaw JP, Slugg RM, Stowe N, Lesser RP, Little JR. *Stroke* 15:486-491, 1984.
34. High Dose Monotherapy in Treatment of Intractable Seizures. Lesser RP, Pippenger CE, Lüders H, Dinner DS. *Neurology* 34:707-711. 1984.
35. Enhanced Gastrointestinal Excretion of Phenytoin in a Patient with Crohn's Disease. Lesser RP, Irace P, Kutt H, Pippenger CE, Winkelman EL, Terrentine S, Gardner M. *Epilepsia* 25:302-307, 1984.
36. Transient Neuropsychological Abnormalities (including Gerstmann's Syndrome) During Cortical Stimulation. Morris HH, Lüders H, Lesser RP, Dinner DS, Hahn J. *Neurology* 34:877-883, 1984.
37. Generalized Epilepsies: A Review. Lüders H, Lesser RP, Dinner DS, Morris HH. *Cleveland Clinic Quarterly* 51:205-226, 1984.
38. Differential Diagnosis and Treatment of Intractable Seizures. Lesser RP, Dinner DS, Lüders H, Morris HH. *Cleveland Clinic Quarterly* 51:227-240, 1984.

39. Medical Therapy for Intractable Complex Partial Seizures. Morris HH, Lesser RP, Lüders H, Dinner DS. *Cleveland Clinic Quarterly* 51:255-260, 1984.
40. An Overview of Therapeutic Drug Monitoring Principles. Pippenger CE and Lesser RP. *Cleveland Clinic Quarterly* 51:241-254, 1984.
41. Cortical Afterdischarge and Functional Response Thresholds: Results of Extraoperative Testing. Lesser RP, Lüders H, Klem G, Dinner DS, Morris HH, Hahn J. *Epilepsia* 25:615-621, 1984.
42. Recovery Functions of Spinal Cord and Subcortical Somatosensory Evoked Potentials to Posterior Tibial Nerve Stimulation: Intraoperative Recordings. Lüders H, Lesser RP, Gurd A, and Klem G. *Brain Res* 309:27-34, 1984.
43. Thromboxane Synthetase Inhibition in Acute Focal Cerebral Ischemia in Cats. Moufarrij NA, Little JR, Skriniska V, Lucas FV, Latchaw JP, Slugg RM, Lesser RP. *J Neurosurg* 61:1107-1112, 1984.
44. An Introduction to the Basic Concepts of Polarity and Localization. Lesser RP, Lüders H, Dinner DS, Morris H. *J Clin Neurophysiol* 2:45-61, 1985.
45. The Second Sensory Area in Humans: Evoked Potential and Electrical Stimulation Studies. Lüders H, Lesser RP, Dinner DS, Hahn JF, Salanga V, Morris HH. *Ann Neurol* 17:177-184, 1985.
46. Treatment of Acute Focal Cerebral Ischemia and Recirculation with d-Propriololol. Latchaw JP, Little JR, Slugg RM, Lesser RP, Stowe N. *Neurosurgery* 16:18-22, 1985.
47. Patterned Evoked Potentials (PEPs) in Parkinson's Disease. Dinner DS, Lüders H, Hanson M, Lesser RP, Klem G. *Neurology* 35:610-613, 1985.
48. Choosing an Antiepileptic Drug. The Case for Individualized Treatment. Lesser RP and Pippenger CE. *Postgraduate Medicine* 77:225-237, 1985.
49. Visual Potentials Evoked by Light-Emitting Diodes Mounted in Goggles. Lesser RP, Lüders H, Klem G, Dinner DS. *Cleveland Clinic Quarterly* 52:223-228, 1985.
50. Preservation of Voluntary Saccades Following Intracarotid Injection of Barbiturate. Lesser RP, Leigh RJ, Dinner DS, Lüders H, Morris HH, Tomsak RL, Lockwood KI. *Neurology* 35:1108-1122, 1985.
51. Optimizing Stimulating and Recording Parameters in Somatosensory Evoked Potential studies. Lüders H, Lesser RP, Dinner DS, Morris HH. *J Clin Neurophysiol* 2:383-396, 1985.
52. Familial Paroxysmal Hypnogenic Dystonia. Lee BI, Lesser RP, Pippenger CE, Morris HH, Lüders H, Dinner DS, Corrie WS, Murphy WP. *Neurology* 35:1357-1360, 1985.
53. Ipsilateral Trigeminal Sensory Responses to Cortical Stimulation by Subdural Electrodes. Lesser RP, Lüders H, Klem G, Dinner DS, Morris III HH, Hahn J. *Neurology* 35:1760-1763, 1985.
54. Epileptic Seizures Due to Thrombotic and Embolic Cerebrovascular Disease in Older Patients. Lesser RP, Lüders H, Dinner DS, Morris HH. *Epilepsia* 26:622-630, 1985.

55. Post-Operative Neurological Deficits May Occur Despite Unchanged Intraoperative Somatosensory Evoked Potentials. Lesser RP, Raudzens P, Lüders H, Nuwer MR, Goldie WD, Morris HH, Dinner DS, Hahn JF, Shetter AG, Ginsburg HH, Gurd AR. *Ann Neurology* 19:22-25, 1985.
56. Evoked Potentials in Cortical Localization. Lüders H, Dinner DS, Lesser RP, Morris HH. *J Clin Neurophysiol* 3:75-84, 1986.
57. Psychogenic Seizures. Lesser RP. *Neuro-View Trends in Clinical Neurology* 2:1-5, 1986.
58. The Value of Closely Spaced Scalp Electrodes in the Localization of Epileptiform Foci: A Study of 26 Patients with Complex Partial Seizures. Morris HH, Lüders H, Lesser RP, Dinner DS, Klem GH. *Electroenceph Clin Neurophysiol* 63:107-111, 1986.
59. Magnetic Resonance Imaging (1.5 Tesla) in Patients with Intractable Focal Seizures. Lesser RP, Modic MT, Weinstein MA, Duchesneau PM, Lüders H, Dinner DS, Morris HH, Estes M, Chou SM, Hahn JF. *Archives of Neurology* 43:367-371, 1986.
60. Invasive Methods of Somatosensory Evoked Potential Monitoring. Dinner DS, Lüders H, Lesser RP, Morris HH. *J Clin Neurophysiol* 3:1-18, 1986.
61. Basal Temporal Language Area Demonstrated by Electrical Stimulation. Lüders H, Lesser RP, Hahn J, Dinner DS, Morris H, Resor S, Harrison M. *Neurology* 36:505-510, 1986.
62. The Lateralizing Significance of Versive Head and Eye Movements During Epileptic Seizures. Wyllie E, Lüders H, Morris HH, Lesser RP, Dinner DS. *Neurology* 36:606-611, 1986.
63. Electrical Stimulation of Wernicke's Area Interferes with Comprehension. Lesser RP, Lüders H, Morris HH, Dinner DS, Klem G, Hahn J, Harrison M. *Neurology* 36:658-663, 1986.
64. Memory for Objects Presented Soon After Intracarotid Sodium Amobarbital Injections in Patients with Medical Intractable Complex Partial Seizures. Lesser RP, Dinner DS, Lüders H, Morris HH. *Neurology* 36:895-899, 1986.
65. Neurophysiological Techniques as an Aid to Surgical Treatment of Primary Brain Tumors. Morris HH, Lüders H, Hahn JF, Lesser RP, Dinner DS, Estes ML. *Ann Neurology* 19:559-567, 1986.
66. Cortical Potentials Related to Voluntary and Passive Finger Movements Recorded from Subdural Electrodes in Humans. Lee BI, Lüders H, Lesser RP, Dinner DS, Morris HH. *Ann Neurol* 20:32-37, 1986.
67. Mental Deterioration in Epilepsy. Lesser RP, Lüders H, Wyllie E, Dinner DS, Morris HH. *Epilepsia* 27(Suppl 2):S105-S123, 1986.
68. Ipsilateral Forced Head and Eye Turning at the End of the Generalized Tonic-Clonic Phase of Versive Seizures. Wyllie E, Lüders H, Morris HH, Lesser RP, Dinner DS, Goldstick L. *Neurology* 36:1212-1217, 1986.
69. Effect of Etomidate on the Electroencephalogram of Patients with Epilepsy. Ebrahim ZY, DeBoer GE, Lüders H, Hahn JF, Lesser RP. *Anesth Analg* 65:1004-6, 1986.

70. Somatosensory Evoked Potentials (SEP). Lüders H, Lesser RP, Dinner DS, Morris HH and Wyllie E. *Neurology and Neurosurgery Update Series*. 7 ( 4):1-8, 1986.
71. Psychogenic Seizures. Lesser RP. *Psychomatics* 27 (12):823-829, 1986.
72. Intraoperative Spinal Somatosensory Evoked Potential Monitoring. Dinner DS, Lüders H, Lesser RP, Morris HH, Barnett G, Klem G. *J Neurosurg* 65:807-814, 1986.
73. Four Dichotic Speech Tests Before and After Temporal Lobectomy. Collard ME, Lesser RP, Lüders H, Dinner DS, Morris HH, Hahn JF, Rothner AD. *Ear and Hearing* 7:363-369, 1986.
74. The Source of Paradoxical Lateralization of Cortical Evoked Potentials to Posterior Tibial Nerve Stimulation: Results of Simultaneous Recording with Scalp and Implanted Electrodes. Lesser RP, Lüders H, Dinner DS, Hahn J, Morris HH, Wyllie E. *Neurology* 37:82-88, 1987
75. Extraoperative Cortical Functional Localization in Patients with Epilepsy. Lesser RP, Lüders H, Klem G, Dinner DS, Morris HH, Hahn JF, Wyllie E. *J Clin Neurophysiol* 4:27-53, 1987.
76. EEG in Epilepsy. Lesser RP, Lüders H, Dinner DS, Morris HH, Wyllie E. *BNI Quarterly* 3:42-46, 1987.
77. Electrophysiologic-Pathologic Correlations in Patients with Complex Partial Seizures. Morris III HH, Estes ML, Lüders H, Lesser RP, Dinner DS, Hahn J, Wyllie E. *Arch Neurol* 44:703-708, 1987.
78. Cortical Generators of Somatosensory Evoked Potentials to Median Nerve Stimulation. Dinner DS, Lüders H, Lesser RP, Morris HH. *Neurology* 37:1141-1145, 1987.
79. The 1985 Revision of Guidelines in Electroencephalography. Lesser RP. *Am J EEG Techn* 27:103-109, 1987.
80. Transient Focal Abnormalities of Neuroimaging Studies During Focal Status Epilepticus. Kramer RE, Lüders H, Lesser RP, Weinstein MR, Dinner DS, Morris HH, and Wylie E. *Epilepsia* 28:528-532, 1987.
81. Clinical Outcome After Complete or Partial Cortical Resection for Intractable Epilepsy. Wyllie E, Lüders H, Morris III HH, Lesser RP, Dinner DS, Hahn J, Estes M, Rothner AD, Erenberg G, Cruse RP, and Friedman D. *Neurology* 37:1634-1641, 1987.
82. Electrophysiological Monitoring During Basilar Aneurysm Operation. Little JR, Lesser RP, and Lüders H. *Neurosurgery* 20:421-427, 1987.
83. Ictus Emeticus: an Electroclinical Analysis. Kramer RE, Lüders H, Goldstick LP, Dinner DS, Morris HH, Lesser RP, Wyllie E. *Neurology* 38: 1048-1052, 1988.
84. Localization of Cortical Function: New Information from Extraoperative Monitoring of Patients with Epilepsy. Lüders H, Lesser RP, Dinner DS, Morris HH, Wyllie E, Godoy J. *Epilepsia* 29:Suppl 2:S56-S65, 1988.
85. Subdural Electrodes in the Evaluation for Epilepsy Surgery in Children and Adults. Wyllie E, Lüders H, Morris III HH, Lesser RP, Dinner DS, Rothner AD, Erenberg G, Cruse R, Friedman D, Hahn J, Estes ML. *Neuroped* 19:80-86, 1988.

86. No, Magnesium Sulfate should not be Used in Treating Eclamptic Seizures. Kaplan PW, Lesser RP, Fisher RS, Repke JT, and Hanley DE. *Arch Neurol* 45:1361-1364, 1988.
87. Failure of High-dose Intravenous Magnesium Sulfate to Control Myoclonic Status Epilepticus. Fisher RS, Kaplan PW, Krumholz A, Lesser RP, Rosen S, Wolff MR. *Clin Neuropharm*, 11:537-544, 1989.
88. The Effects of Sleep on Median Nerve Short Latency Evoked Potentials. Addy RO, Dinner DS, Lüders H, Lesser RP, Morris HH, and Wyllie E. *Electroencephalography and Clinical Neurophysiology: Evoked Potentials*. 74:105-111, 1989.
89. Basal Temporal Subdural Electrodes in the Evaluation of Patients with Intractable Epilepsy. Lüders H, Hahn J, Lesser RP, Dinner DS, Morris III HH, Wyllie E, Friedman L, Friedman D, and Skipper G. *Epilepsia* 30:131-142, 1989.
90. Double-Blind, Placebo-Controlled Evaluation of Cinromide in Patients with the Lennox-Gastaut Syndrome. The Group for the Evaluation of Cinromide in the Lennox-Gastaut Syndrome. *Epilepsia* 30:422-429, 1989.
91. Vertical and Horizontal Epileptic Gaze Deviation and Nystagmus. Kaplan PW and Lesser RP. *Neurology* 39:1391-1393, 1989.
92. Seizures and Status Epilepticus. Association of Cardiorespiratory Abnormalities. Burnstine TH, Lesser RP, and Hanley DF. *Critical Care Report* 1:39-42, 1989.
93. Perspectives in Brain Death Criteria. Electroencephalographer's Perspective. Lesser RP. *Critical Care Report* 1:127-130, 1989.
94. The Evaluation of Patients with Intractable Complex Partial Seizures. Lesser RP, Fisher RS, and Kaplan P. *Electroenceph Clin Neurophysiol* 73:381-388, 1989.
95. Parameters for Direct Cortical Electrical Stimulation in the Human: Histopathologic Confirmation. Gordon B, Lesser RP, Rance NE, Hart J Jr, Webber R, Uematsu S, and Fisher RS. *Electroenceph clin. Neurophysiol*, 75:371-377, 1990.
96. Dextromethorphan for Treatment of Complex Partial Seizures. Fisher RS, Cysyk BJ, Lesser RP, Pontecorvo MJ, Ferkany JT, Schwerdt PR, Hart J, and Gordon B. *Neurology* 40:547-549, 1990.
97. Intracarotid Amobarbital (Wada) Test for Language Dominance: Correlation with Results of Cortical Stimulation. Wyllie E, Lüders H, Murphy D, Morris III H, Dinner D, Lesser R, Godoy J, Kotagal P, and Kanner A. *Epilepsia* 31:156-161, 1990.
98. Characterization of the Basal Temporal Language Area in Patients with Left Temporal Lobe Epilepsy. Burnstine TH, Lesser RP, Hart J Jr, Uematsu S, Zinreich SJ, Krauss GL, Fisher RF, Vining EPG, and Gordon B. *Neurology* 40:966-970, 1990.
99. Clinical diagnoses and EEG interpretation. Williams GW, Lesser RP, Silvers JB, Brickner A, Goormastic M, Fatica KJ, and Klass DW. *Cleve Clin J Med* 57:437-440, 1990.

100. A Continuing Controversy: Magnesium Sulfate in the Treatment of Eclamptic Seizures. Kaplan PW, Lesser RP, Fisher RS, Repke JT and Hanley DF. Arch Neurol 47:1031-1032, 1990
101. Resection of the Epileptogenic Area in Critical Cortex with the Aid of a Subdural Grid. Uematsu S, Lesser RP, Fisher RS, Krauss GL, Hart J, Vining EP, Freeman J, and Gordon B. J Stereotactic Funct Neurosurg 54+55:34-45, 1990.
102. Driving and epilepsy: A review and reappraisal. Krumholz A, Fisher RS, Lesser RP, and Hauser WA. JAMA 265:622-626, 1991.
103. Dominant-Side Intracarotid Amobarbital Spares Comprehension of Word Meaning. Hart J Jr, Lesser RP, Fisher RS, Schwerdt P, Bryan RN, and Gordon B. Arch Neurol 48:55-58, 1991.
104. Capillary prolactin measurement for diagnosis of seizures. Fisher RS, Chan DW, Bare M, and Lesser RP. Ann Neurol 29:187-190, 1991.
105. Epilepsy. Lesser RP. Current Opinion in Neurology and Neurosurgery 4:259-264, 1991.
106. Basal Temporal Language Area. Lüders H, Lesser RP, Hahn J, Dinner DS, Morris HH, Wyllie E and Godoy J. Brain 114:743-754, 1991.
107. Quantification of Mu and Non-mu Opiate Receptors in Temporal Lobe Epilepsy using Positron Emission Tomography. Mayberg HS, Sadzot B, Meltzer CC, Fisher RS, Lesser RP, Dannals RF, Lever JR, Wilson AA, Ravert HT, Wagner HN Jr, Bryan RN, Cromwell CC, and Frost JJ. Ann Neurol 30:3-11, 1991.
108. Multifocal Independent Epileptiform Discharges in Children: Ictal Correlates and Surgical Therapy. Burnstine TH, Vining EPG, Uematsu S, and Lesser RP. Neurology 41:1223-1228, 1991.
109. Subdural Electrodes in the Evaluation of Patients with Epilepsy. Duque A, Lesser R, Fisher R, and Uematsu S. Am J EEG Technol 31:183-190, 1991.
110. Mapping the distribution of amobarbital in the intra-arterial sodium amobarbital (Wada) test with Tc-99m HMPAO SPECT. Jeffrey PJ, Monsein LH, Szabo Z, Hart J, Fisher RS, Lesser RP, Debrun G, Gordon B, Wagner H, and Camargo EE. Radiology 178:847-850, 1991.
111. Pseudoepileptiform EEG Patterns During Pseudoseizures. Burnstine TH, Lesser RP, Cole AJ. J Epilepsy, 4:165-171, 1991.
112. Cortical Stimulation using Subdural Electrodes. Lesser RP, Gordon B, Fisher RS, Vining E, and Uematsu S. J Epilepsy 3(suppl 1):103-106, 1992.
113. Simple partial seizures: Clinicofunctional Correlations--A Case Report. Arroyo S, Krauss GK, Lesser RP, Gordon B, Hart J Jr, Carson BS, and Uematsu S. Neurology 42:642-646, 1992.
114. Design Principles for Computerized Monitoring. Lesser RP, Webber WRS, Fisher RS. Electroenceph clin Neurophysiol 82:239-247, 1992.

115. High-Frequency EEG Activity at the Start of Seizures. Fisher RS, WRS Webber, RP Lesser, S Arroyo, and S Uematsu. *J Clin Neurophysiol* 9:441-448, 1992.
116. Localization of sensorimotor cortex: The influence of Sherrington and Cushing on the modern concept. Uematsu S, Lesser RP, and Gordon B. *Neurosurgery* 30:904-13, 1992.
117. Motor and Sensory Cortex in Humans: Topography Studied with Chronic Subdural Stimulation. Uematsu S, Lesser RP, Fisher RS, Gordon B, Hara K, Krauss GL, Vining EP, and Webber RW. *Neurosurgery* 31:59-72, 1992.
118. Selective Interference with the Representation of Size in the Human by Direct Cortical Electrical Stimulation. Hart J Jr, Lesser RP, and Gordon B. *J Cognitive Neuroscience* 4:311-318, 1992.
119. Placebo-Controlled pilot Study of Centromedian Thalamic Stimulation in Treatment of Intractable Seizures. Fisher RS, Uematsu S, Krauss GL, Cysyk BJ, McPherson R, Lesser PR, Gordon B, Schwerdt P and Rise M. *Epilepsia* 33:841-851, 1992.
120. Anterior "Cheek" Electrodes are Comparable to Sphenoidal Electrodes for the Identification of Ictal Activity. Krauss GL, Lesser RP, Fisher RS, and Arroyo S. *Electroenceph clin Neurophysiol* 83:333-338, 1992.
121. Mania in Temporal Lobe Epilepsy. Lyketsos CG, Stoline AM, Longstreet P, Ranen NG, Lesser R, Fisher R, and Folstein M. *Neuropsychiat, Neuropsychol, Behav Neurol* 6:19-25, 1993.
122. Short Latency Somatosensory Evoked Potentials Recorded around the Human Upper Brainstem. Urasaki E, Uematsu S, and Lesser RP. *Electroenceph clin Neurophysiol* 88:92-104, 1993.
123. Determination of Current Density Distributions Generated by Electrical Stimulation of the Human Cerebral Cortex. Nathan SS, Sinha SR, Gordon B, Lesser RP, and Nathan NV. *Electroenceph clin Neurophysiol* 86:183-192, 1993.
124. Efficacy and Safety of Zonisamide: Results of a Multicenter Study. Leppik IE, Willmore LJ, Homan RW, Oommen KJ, Penry JK, Sackellaes JC, Smith DB, Lesser RP, Wallace JD, Trudeau JL, Lamoreaux LK, and Spenser M. *Epilepsy Res* 14:165-173, 1993.
125. Felbamate: A Double-blind Controlled Trial in Patients Undergoing Presurgical Evaluation of Partial Seizures. Bourgeois B, Leppik IE, Sackellaes JC, Laxer K, Lesser R, Messenheimer JA, Kramer LD, Kamin M, and Rosenberg A. *Neurology* 43:693-696, 1993.
126. Comprehension Deficits Elicited by Electrical Stimulation of Broca's Area. Schäffler L, Lüders HO, Dinner DS, Lesser RP, and Chelune GJ. *Brain* 116:695-715, 1993.
127. Anatomic Correlates of Memory From Intracarotid Amobarbital Injections with Technetium Tc 99m Hexamethylpropyleneamine Oxime SPECT. Hart J Jr., Lewis PJ, Lesser RP, Fisher RS, Monsein LH, Schwerdt P, Bandeen-Roche K, and Gordon B. *Arch Neurol* 50:745-750, 1993.
128. Mirth, Laughter and Gelastic Seizures. Arroyo S, Lesser RP, Gordon B, Uematsu S, Hart J, Schwerdt P, Andreasson K, and Fisher RS. *Brain* 116:757-780, 1993.

129. Decreased Hippocampal Muscarinic Cholinergic Receptor Binding Measured by <sup>123</sup>I-Iododexetimide and Single-Photon Emission Computed Tomography in Epilepsy. Müller-Gärtner HW, Mayberg HS, Fisher RS, Lesser RP, Wilson AA, Ravert HT, Dannals RF, Wagner Jr. HN, Uematsu S, and Frost JJ. *Ann Neurol* 34:235-238, 1993.
130. Functional Significance of the Mu Rhythm of Human Cortex: an Electrophysiologic Study with Subdural Electrodes. Arroyo S, Lesser RP, Gordon B, Uematsu S, Jackson D, and Webber R. *Electroenceph clin Neurophysiol* 87:76-87, 1993.
131. EEG and Prognosis of Neurologic Recovery of Dogs Under Profound Hypothermic Circulatory Arrest. Arroyo S, Lesser RP, Gillinov AM, Redmond M, Zehr KJ, Troncoso JC, Jackson D, Baumgartner WA, and Cameron DE. *Electroenceph clin Neurophysiol* 87:242-249, 1993.
132. Gabapentin as Add-on Therapy in Refractory Partial Epilepsy: A Double-blind, Placebo-controlled, Parallel-group Study. The US Gabapentin Study Group No. 5. *Neurology* 43:2292-2298, 1993.
133. Electrical stimulation of the human cerebral cortex. Theoretical approach. Nathan SS, Lesser RP, Gordon B, Thakor NV. *Advances in Neurology*. 63:61-85, 1993.
134. Superior cerebral protection with profound hypothermia during circulatory arrest. Gillinov AM, Redmond JM, Zehr KJ, Troncoso JC, Arroyo S, Lesser RP, Lee AW, Stuart RS, Reitz BA, Baumgartner WA, et al. *Annals of Thoracic Surgery*. 55(6):1432-9, 1993
135. Proton MR Spectroscopy in Patients with Seizure Disorders. Breiter SN, Arroyo S, Matthews VP, Lesser RP, Bryan RN, and Barker PB. *American J Neuroradiology*, 15:373-384, 1994.
136. Automatic EEG Spike Detection: what should the Computer Imitate? Webber WRS, Litt B, Lesser RP, Fisher RS, and Bankman I. *Electroenceph clin Neurophysiol*, 87:364-373, 1994.
137. Cortical tongue area studied by chronically implanted subdural electrodes - with special reference to parietal motor and frontal sensory responses. Urasaki E, Uematsu S, Gordon B, and Lesser RP. *Brain* 117:117-132, 1994.
138. Electrical Stimulation and Language. Lesser R, Gordon B, and Uematsu S. *J Clin Neurophysiol* 11:191-204, 1994.
139. Distribution in time of seizures during presurgical EEG monitoring. Todorov AB, Lesser RP, Uematsu SS, Yankov YA, and Todorov Jr. AA. *Neurology* 44:1060-1064, 1994.



140. The Role of Epilepsy Centers in Delivering Care to Patients with Intractable Epilepsy. Lesser RP. *Neurology* 44:1347-1352, 1994.
141. Electroencephalographic Changes During Simple Partial Seizures. Bare MA, Burnstine TH, Fisher RS, and Lesser RP. *Epilepsia* 35:715-720, 1994.
142. Practical Detection of Epileptiform Discharges (EDs) in the EEG using an Artificial Neural Network: A Comparison of Raw and Parameterized EEG Data. Webber WRS, Litt B, Wilson K, and Lesser RP. *Electroencephalogr Clin Neurophysiol* 91:194-204, 1994.
143. Long-Term Monitoring with Digital Technology for Epilepsy. Lesser RP and Kaplan PW. *J Child Neurology* 9(suppl 1):S64-S70, 1994.
144. Clinical and Electroencephalographic Evidence for Sites of Origin of Seizures with Diffuse Electrodecremental Pattern. Arroyo S, Lesser RP, Fisher RS, Vining EP, Krauss GL, Bandeen-Roche K, Hart J, Gordon B, Uematsu S, and Webber R. *Epilepsia* 35:974-987, 1994.
145. The Long-term Safety and Efficacy of Gabapentin (Neurontin<sup>®</sup>) as Add-on Therapy in Drug-resistant Partial Epilepsy. The US Gabapentin Study Group. *Epilepsy Research* 18:67-73, 1994.
146. Prospective Study of Central Nervous System Function in Amateur Boxers in the United States. Stewart WF, Gordon B, Selnes O, Bandeen-Roche K, Zeger S, Tusa RJ, Celentano DD, Shechter A, Liberman J, Hall C, Simon D, Lesser R, and Randall RD. *Amer J Epidemiol* 139:573-588, 1994.
147. Reliability of amygdalohippocampal volume measured directly on MRI films. Hoshida T, Uematsu S, Lesser RP. *Stereotactic & Functional Neurosurgery*. 63(1-4):31-4, 1994.
148. The cortical representation of speech perception and production as revealed by direct cortical electrical interference. Boatman D, Lesser R, and Gordon B. *Journal of the Acoustical Society of Japan*, 4: 762-767. 1994.
149. Brainstem Auditory Evoked Potentials Recorded around the Human Upper Brainstem Area. Urasaki E, Uematsu S, Lesser RP. *Neurolog medico-chirurgica* 35:353-359, 1995.
150. Auditory Perception of Segmental Features: a Functional-neuroanatomic Study. Boatman D, Lesser RP, Hall J, and Gordon B. *J Neurolinguistics* 8:225-234, 1994.
151. It is not Harmful for Patients with Epilepsy to View their own Seizures. Sanders P, Bare M, and Lesser R. *Epilepsia* 36:1138-1141, 1995.
152. Auditory speech processing in the left temporal lobe: an electrical interference study. Boatman, D.F., Lesser, R.P., & Gordon, B. *Brain & Language*. 51:269-90, 1995.
153. Does the central sulcus divide motor and sensory functions? Cortical mapping of human hand areas as revealed by electrical stimulation through subdural grid electrodes. Nii Y, Uematsu S, Lesser RP, and Gordon B. *Neurology* 46:360-367, 1996.
154. Treatment of Epilepsy with Multiple Subpial Transections: An Acute Histologic Analysis in Human Subjects. Kaufmann WE, Krauss GL, Uematsu S, and Lesser RP. *Epilepsia* 37:342-352, 1996.

155. Cognitive Effects of Resecting Basal Temporal Language Areas. Krauss GL, Fisher R, Plate C, Hart J, Uematsu S, Gordon B, and Lesser RP. *Epilepsia* 37:476-483, 1996.
156. Psychogenic Seizures. Lesser RP. *Neurology* 46:1499-1507, 1996.
157. An approach to seizure detection using an artificial neural network (ANN). Webber WR. Lesser RP. Richardson RT. Wilson K. *Electroencephalography & Clinical Neurophysiology*. 98(4):250-72, 1996
158. Mapping cerebral sites for emotion and emotional expression with direct cortical electrical stimulation and seizure discharges. Gordon B. Hart J Jr. Lesser RP. Arroyo S. *Progress in Brain Research*. 107:617-22, 1996.
159. Imaging of delta- and mu-opioid receptors in temporal lobe epilepsy by positron emission tomography Madar I. Lesser RP. Krauss G. Zubieta JK. Lever JR. Kinter CM. Ravert HT. Musachio JL. Mathews WB. Dannals RF. Frost JJ.. *Annals of Neurology*. 41(3):358-67, 1997.
160. Neuronal generators of visual evoked potentials in humans: Visual processing in the human cortex. Arroyo S, Lesser RP, Poon W-T, Webber, WRS, and Gordon B. *Epilepsia* 38:600-610, 1997.
161. Localizing arithmetic processes in the brain: Evidence from a transient deficit during cortical stimulation. Whalen, J., McCloskey, M., Lesser, R. P., & Gordon, B. *Journal of Cognitive Neuroscience* 9:409-417, 1997.
162. Neuropceptual Differences in Consonant and Vowel Discrimination: as Revealed by Direct Cortical Electrical Interference. Boatman D, Hall C, Goldstein MH, Lesser R, and Gordon B. *Cortex* 33:83-98, 1997.
163. Enhancing the Detection of Seizures with a Clustering Algorithm. Klatchko A, Raviv G, Webber WRS, and Lesser RP. *Electroenceph clin Neurophysiol* 106:52-63, 1998.
164. Motor and Sensory Mapping of the Frontal and Occipital Lobes. Lesser RP, Arroyo S, Crone N, and Gordon B. *Epilepsia* 39:(suppl 4):S69-S80, 1998.
165. Painful stimuli evoke potentials recorded from the parasylvian cortex in humans. Lenz FA, Rios M, Chau D, Krauss GL, Zirh TA, and Lesser RP. *J Neurophysiol* 80:2077-88, 1998.
166. Painful stimuli evoke potentials recorded over the human anterior cingulate gyrus. Lenz FA, Rois M, Zirh A, Chau D, Krauss G, and Lesser RP. *J Neurophysiol* 79:2231-2234, 1998.
167. Right hemisphere speech perception revealed by amobarbital injection and electrical interference. Boatman D, Hart J, Lesser RP, Honeycutt N, Anderson NB, Miglioretti D, and Gordon B. *Neurology* 51:458-464, 1998.
168. An automated injection system (with patient selection) for SPECT imaging in seizure localization. Sepkuty JP, Lesser RP, Civelek CA, Cysyk B, Webber R, and Shipley R. *Epilepsia* 39:1350-1356, 1998.
169. Functional mapping of human sensorimotor cortex with electrocorticographic spectral analysis I. Alpha and beta event-related desynchronization. Crone NE, Miglioretti DL, Gordon B, Sieracki JM, Wilson MT, Uematsu S, and Lesser RP. *Brain* 121:2271-2299, 1998.

170. Functional mapping of human sensorimotor cortex with electrocorticographic spectral analysis II. Event-related synchronization in the gamma band. Crone NE, Miglioretti DL, Gordon B, Lesser RP. *Brain* 121:2301-2315, 1998.
171. Temporal dynamics of verbal object comprehension. Hart, J., Crone, N., Lesser, R., Sieracki, J., Miglioretti, D., Hall, C., Sherman, D. & Gordon, B. *Proc.Nat Acad Science* 95:6498-6503, 1998.
172. Medical Management of Epilepsy: Issues and Implications. Lesser RP and Ney G. *Am J Managed Care* 4(suppl 9):S450-452, 1998.
173. Referral Centers and Specialized Care. Lesser RP. *Am J Managed Care* 4(suppl 9):S488-493, 1998.
174. Unexpected places: how did vagus nerve stimulation become a treatment for epilepsy? (Editorial) *Neurology* 52:1117-1118, 1999.
175. Brief bursts of pulse stimulation terminate afterdischarges caused by cortical stimulation. Lesser RP, Kim SH, Beyderman L, Miglioretti DL, Webber WRS, Bare M, Cysyk B, Krauss G, and Gordon B. *Neurology* 53:2073-2081, 1999.
176. Challenges in the Management of Seizure Disorders in Pediatric Patients. Lesser RP and Vining EPG. *Advanced Studies in Medicine*. 1:127-128, 2001.
177. Surgical Treatments for Pediatric Epilepsy. Lesser RP. *Advanced Studies in Medicine*. 1:153-158, 2001.
178. Anterior spinal cord injury with preserved neurogenic Amotor@ evoked potentials. Minahan RE, Sepkuty JP, Lesser RP, Sponseller PD, and Kostuick JP. *Clinical Neurophysiol* 112:1442-1450, 2001.
179. Electrocorticographic gamma activity during word production in spoken and sign language. Crone NE, Hao L, Hart J Jr, Boatman D, Lesser RP, Irizarry R, and Gordon B. *Neurology* 57: 2045B2053, 2001.
180. Buy some today. Can generics be safely substituted for brand-name drugs? Lesser, RP, Krauss G. *Neurology* 57: 571-573, 2001.
181. Wavelet-Crosscorrelation Analysis can help Predict whether Bursts of Pulse Stimulation will Terminate Afterdischarges. Mizuno-Matsumoto Y, Motamedi GK, Webber WRS, Lesser RP. *Clinical Neurophysiology*, 113: 33-42, 2002.
182. Nonepileptic Seizures: psychiatric aspects. Lesser, RP. *Epilepsy and Behavior* 3:34-38, 2002.
183. Multiple subpial transection for Intractable Partial Epilepsy: An International Meta-analysis. Spencer SS, Schramm J, Wyler A, O=Connor M, Orbach D, Krauss G, Sperling M, Devinsky O, Elger C, Lesser R, Mulligan L, and Westerveld M. *Epilepsia* 43:141-145, 2002.
184. Optimizing parameters for terminating cortical afterdischarges with pulse stimulation. Motamedi GK, Lesser RP, Miglioretti DL, Mizuno-Matsumoto Y, Gordon B, Webber WRS, Jackson DC, Sepkuty JP, and Crone NE. *Epilepsia* 43:836-846, 2002.

BOOK CHAPTERS

1. Patterned Evoked Potentials. Lüders H, Lesser RP, Klem B. In: Henry CE. (ed.), *Current Clinical Neurophysiology. Update on EEG and Evoked Potentials*. New York: Elsevier/North-Holland, 1980; pp. 467-525.
2. Localization of Epileptogenic Spike Foci: Comparative Study of Closely Spaced Scalp Electrodes, Nasopharyngeal, Sphenoidal, Subdural, and Depth Electrodes. Lueders H, Hahn J, Lesser RP, Dinner DS, Rothner D, Erenberg G. In: Akimoto H, Kazamatsuri H, Seino M, Ward A. (Eds.), *Advances in Epileptology: XIII Epilepsy International Symposium*. New York: Raven Press, 1982; pp. 185-189.
3. Treatment of Focal Cerebral Ischemia with Prostacyclin and Indomethacin. Awad I, Little JR, Lucas F, Skrinska V, Slugg R, and Lesser RP. In: KG Go and A Baethmann (eds.), *Recent Progress in the Study and Therapy of Brain Edema*. Plenum Publishing Corporation, 1984; pp. 415-427.
4. Racemic (d,l) and d-Isomer Propranolol in Focal Cerebral Ischemia. Latchaw JP, Little JR, Slugg RM, Lesser RP, Stowe NT. In: KG Go and A Baethmann (eds.), *Recent Progress in the Study and Therapy of Brain Edema*. Plenum Publishing Corporation, 1984; pp. 648-654.
5. High Dose Monotherapy with Primidone. Lesser RP, Pippenger CE, Dinner DS, Lueders H, Morris HH. In: RJ Porter, RH Mattson, A Ward, Jr., M Dam (eds.), *Advances in Epileptology: XV Epilepsy International Symposium*. New York: Raven Press, 1984; pp. 353-356.
6. Psychogenic Seizures. Lesser RP. In: TA Pedley and BS Meldrum (eds.), *Recent Advances in Epilepsy Volume II*. Edinburgh: Churchill Livingstone, 1984; pp. 273-296.
7. Technical Aspects of Surgical Monitoring Using Evoked Potentials. Lesser RP, Lüders H, Dinner DS, Morris HH III, Klem G. In: A Struppler and A Weindl (eds.), *Advances in Applied Neurological Sciences. Electromyography and Evoked Potentials*. Springer-Verlag, 1985; pp. 177-180.
8. Juvenile Myoclonic Epilepsy. Dinner DS, Lüders H, Morris HH, Lesser RP. In: H Lüders and RP Lesser (eds.), *Epilepsy: Electroclinical Syndromes (Clinical Medicine and the Nervous System Series)*. Berlin, Heidelberg, New York: Springer-Verlag, 1987; pp. 131-149.
9. Simple Partial Seizures. Lesser RP, Lüders H, Dinner DS, Morris III HH. In: H Lüders and RP Lesser (eds.), *Epilepsy: Electroclinical Syndromes (Clinical Medicine and the Nervous System Series)*. Berlin, Heidelberg, New York: Springer-Verlag, 1987; pp. 223-278.
10. Benign Focal Epilepsy of Childhood. Lüders H, Lesser RP, Dinner DS, Morris HH. In: H Lüders and RP Lesser (eds.), *Epilepsy: Electroclinical Syndromes (Clinical Medicine and the Nervous System Series)*. Berlin, Heidelberg, New York: Springer-Verlag, 1987; pp. 303-346.
11. Commentary: Extracranial EEG Evaluation, Lesser RP, Lüders H, Morris HH, Dinner DS, and Wyllie E. in JP Engel Jr, editor: *Surgical Treatment of the Epilepsies*. New York: Raven Press 1987; pp. 173-179.
12. Commentary: Chronic Intracranial Recording and Stimulation with Subdural Electrodes. Lüders H, Lesser RP, Dinner DS, Morris HH, Hahn JF, Friedman L, Skipper G, Wyllie E, Friedman D. In: JP Engel (ed.). *Surgical Treatment of the Epilepsies*. New York: Raven Press 1987; pp. 297-321.

13. Language Deficits Elicited by Electrical Stimulation of the Fusiform Gyrus. Lüders H, Lesser RP, Dinner DS, Morris HH, and Wyllie E. In: JP Engel Jr, GA Ojemann, HO Lüders and PD Williamson (eds.). *Fundamental Mechanisms of Human Brain Function: Surgical Treatment of Epilepsy as an Investigative Resource*. New York: Raven Press, 1987; pp. 83-90.
14. Comprehension Deficits Produced by Electrical Stimulation of Wernicke's Area. Lesser RP, Lüders H, Morris HH, Dinner DS, Klem G, Hahn J, Kay M. In: JP Engel Jr, GA Ojemann, HO Lüders and PD Williamson (eds.). *Fundamental Mechanisms of Human Brain Function: Surgical Treatment of Epilepsy as an Investigative Resource*. New York: Raven Press, 1987; pp. 99-101.
15. Negative Motor Response Elicited by Stimulation of the Human Cortex. Lüders H, Lesser RP, Morris HH, Dinner DS, Hahn J. *Advances in Epileptology. XVI Epilepsy International Symposium*. New York: Raven Press, 1987; pp. 229-232.
16. Scalp, Subdural and Epidural Recording Techniques. Lesser RP. In: DM Long (ed.), *Current Therapy in Neurologic Surgery - 2*. Toronto, Ontario: BC Decker, Inc, 1989; pp. 106-108.
17. Extra-operative Monitoring of Patients With Intractable Seizures. Lesser RP, Lüders H, Dinner D, Morris HH, and Wyllie E. In: JE Desmedt (ed.), *Neuromonitoring In Surgery*. Amsterdam: Elsevier, 1989; pp. 303-318.
18. Critical Analysis of the Methods used to Identify Generator Sources of Evoked Potential (EP) Peaks. Lüders HO, Lesser RP, Dinner DS, Morris HH, Wyllie E. In: Lüders H, ed. *Advanced Evoked Potentials*. Boston: Kluwer Academic Publishers, 1989; pp. 29-64.
19. Prolonged Extracranial and Intracranial In-Patient Monitoring. Chapter 5. Kaplan PW and Lesser RP. In: JA Wada and RJ Ellingson (eds.), *Clinical Neurophysiology of Epilepsy. EEG Handbook (revised series Vol. 4) Part II: Recording techniques*. Elsevier, Amsterdam, 1990; pp. 121-154.
20. Long-Term Monitoring. Kaplan PW and Lesser RP. In: TA Pedley, DD Daly and G Chatrian (eds.), *Current Practice of Clinical EEG, Second Edition*. Chapter Five. Raven Press, New York, 1990; pp. 513-534.
21. Focal Seizure Disorders. Burnstine TH and Lesser RP. In RT Johnson (ed.), *Current therapy in Neurologic Disease, Vol. 3*. Philadelphia: BC Decker, Inc. 1990; pp. 36-41.
22. Invasive Somatosensory-Evoked Potential Monitoring. Dinner DS, Lüders H, Lesser RP, Morris HH, Barnett G, and Klem G. In: SK Salzman (ed.), *Neural Monitoring*. The Humana Press, Inc., 1990, pp 179-196.
23. On-Line Detection of Epileptic Spikes Using a Patient-Independent Neural Network. Wilson K, Webber WRS, Lesser RP, Fisher RS, Eberhart RC, and Dobbins RW. In: Bankman IN and Tsitlik JE (eds.), *Computer Based Medical Systems. Proceedings of the Fourth Annual IEEE Symposium*. Los Alamitos, California: IEEE Computer Society Press, 1991. pp. 264-271.
24. Focal Seizure Disorders. Burnstine TH and Lesser RP. In Kassirer JP (ed.): *Current Therapy in Internal Medicine, Third Edition*. Philadelphia: BC Decker, 1991. pp. 1607-1611.
25. Subdural Grid Electrodes in Surgery of Epilepsy. Lesser RP, Gordon B, Fisher R, Hart J, and Uematsu S. in H Lüders (ed.), *Epilepsy Surgery*. New York: Raven Press, 1991. pp. 399-408.

26. EEG in the Evaluation of Epilepsy. Lesser RP and Fisher RS. in Lesser RP (ed.), *The Diagnosis and Management of Seizure Disorders*. New York: Demos Press, 1991. pp. 21-45.
27. The Special Situation of Status Epilepticus. Lesser RP and Smith DB. in Lesser RP (ed.), *The Diagnosis and Management of Seizure Disorders*. New York: Demos Press, 1991. pp. 97-99.
28. Surgery for Epilepsy. Fisher RS and Lesser RP. in Lesser RP (ed.), *The Diagnosis and Management of Seizure Disorders*. New York: Demos Press, 1991. pp. 101-134.
29. Psychiatric Disorders and Epilepsy. Krauss GL and Lesser RP. in SR Resor Jr and H Kutt (eds.), *The Medical Treatment of Epilepsy*. New York: Marcel Dekker, 1992. pp. 547-555.
30. A Negative Motor Response Elicited by Electrical Stimulation of the Human Frontal Cortex. Lüders HO, Lesser RP, Dinner DS, Morris HH, Wyllie E, Godoy J, and Hahn JH. in Chauvel P, Delgado-Escueta AV, Halgren E, and Bancaud J (eds.), *Advances in Neurology, Volume 57: Frontal Lobe Seizures and Epilepsies*. New York: Raven Press, 1992. pp. 149-157.
31. Psychogenic Seizures. Burnstine TH and Lesser RP. in V Hachinski (ed.), *Challenges in Neurology*. Philadelphia: FA Davis Company, 1992. pp. 101-107.
32. Assessment of Surgical Outcome. Lesser RP, Fisher RS, and Uematsu S. in Theodore WH (ed.), *Surgical Treatment of Epilepsy (Epilepsy Res. Suppl. 5)*. Amsterdam: Elsevier Science Publishers, 1992. pp. 217-229.
33. Focal Cortical Resection: Noninvasive EEG Evaluation. Kaplan PW and Lesser RP. In E Wyllie (ed.), *The Treatment of Epilepsy: Principles and Practice*. Philadelphia: Lea & Febiger, 1993. pp. 1014-1022.
34. Psychogenic Non-Epileptic Seizures Resembling Complex Partial Seizures. Lesser RP and Krauss GL. in Rowan J and Gates J (eds.), *Non-Epileptic Seizures*. Boston, Butterworth-Heinemann, 1993. pp. 39-45.
35. Subdural and Epidural Grids and Strips. Arroyo S, Lesser RP, Awad I, Goldring S, Sutherling W, and Resnick T. in J Engel Jr. (ed.), *Surgical Treatment of the Epilepsies, Second Edition*. New York: Raven Press, 1993. pp. 377-386.
36. Cortical Stimulation. Ojemann GA, Sutherling WW, Lesser RP, Dinner DS, Jayakar P, and Saint-Hilaire J-M. in J Engel Jr. (ed.), *Surgical Treatment of the Epilepsies, Second Edition*. New York: Raven Press, 1993. pp. 399-414.
37. Computer Applications. Gotman J, Burgess RC, Darcey TM, Harner RN, Ives JR, Lesser RP, Pijn JPM, and Velis D. in J Engel Jr. (ed.), *Surgical Treatment of the Epilepsies, Second Edition*. New York: Raven Press, 1993. pp. 429-444.
38. Subdural Electrodes. Arroyo S, Lesser RP, Gordon B, Fisher RS, and Uematsu S. In: E. Niedermeyer and F. Lopes da Silva (eds.), *Electroencephalography. Basic Principles, Clinical Applications and Related Fields*. Baltimore, Williams and Wilkins, 1993. pp. 701-711.
39. Principles of Computerized Monitoring. Lesser RP, Webber WRS, and Fisher RS. In: E. Niedermeyer and F. Lopes da Silva (eds.), *Electroencephalography. Basic Principles, Clinical Applications and Related Fields*. Baltimore, Williams and Wilkins, 1993. pp. 739-746.

40. Electrical Stimulation of the Human Cerebral Cortex: Theoretical Approach. Nathan SS, Lesser R, Gordon B, and Thakor NV. in O Devinsky, A Berif, and M Dogali (eds.), *Electrical and Magnetic Stimulation of the Brain and Spinal Cord*. New York, Raven Press, 1983. pp. 61-85.
41. Use of Subdural Electrodes for the Study of Language Functions. Lesser RP, Arroyo S, Hart J, and Gordon B. in A Kertesz (ed.), *Localization and Neuroimaging in Neuropsychology*. Orlando, Florida: Academic Press, 1994. pp. 57-72.
42. Similarity of Threshold Temperatures for First Pain Sensation, Laser-Evoked Potentials and Nociceptor Activation. Treede R-D, Meyer RA, and Lesser RP. in GF Gebhart, DL Hammond, and TS Jensen (eds.), *Proceedings of the 7th World Congress on Pain, Progress in Pain Research and Management*, vol. 2. Seattle: IASP Press, 1994. pp. 857-865.
43. The Epilepsies. Trescher WH and Lesser RP. in Bradeley WG, Daroff RB, Fenichel GM and Marsden CD (eds.) *Neurology in Clinical Practice*, 2nd edition. Boston: Butterworth-Heinemann, 1996. pp. 1625-1654.
44. Practical Approaches to Management of Simple and Complex Partial Seizures. Kaplan PW and Lesser RP. in S Chokroverty (ed.), *Management of Epilepsy*. Boston: Butterworth-Heinemann, 1996. pp. 129-144.
45. Noninvasive EEG. Kaplan PW and Lesser RP. In E. Wyllie (editor), *The Treatment of Epilepsy. Principles and Practice*, Second Edition. Baltimore: Williams & Wilkins, 1997. pp. 976-987.
46. Cortical Stimulation (Interference) During Behavior. Gordon B, Hart J Jr, Boatman D, and Lesser RP. in TE Feinberg and MJ Farah (eds.), *Behavioral Neurology and Neuropsychology*. New York: McGraw-Hill, 1997. pp. 667-672.
47. Simple Sensory Seizures. Van Ness PC, Lesser RP, and Duchowny MS. In Engel J Jr., and Pedley TA (editors) *Epilepsy. A Comprehensive Textbook*. Philadelphia-New York: Lippincott-Raven, 1997. pp. 533-542.
48. Extraoperative Methods. Jayakar P and Lesser RP. In Engel J Jr., and Pedley TA (editors) *Epilepsy. A Comprehensive Textbook*. Philadelphia-New York: Lippincott-Raven, 1997. pp. 1785-1793.
49. Subdural Electrodes. Arroyo S and Lesser RP. Subdural Electrodes. In Niedermeyer E and Lopes da Silva F. *Electroencephalography. Basic Principles, Clinical Applications, and Related Fields*. Baltimore: Williams & Wilkins, 1998. pp. 748-760.
50. Principles of Computerized Epilepsy Monitoring. Lesser RP and Webber WRS. In Niedermeyer E and Lopes da Silva F. *Electroencephalography. Basic Principles, Clinical Applications, and Related Fields*. Baltimore: Williams & Wilkins, 1998. pp. 776-780.
51. Pain-related evoked potentials from parasyllian cortex in humans. Treede R-D, Vogel H, Rios M, Krauss G, Lesser RP, and Lenz FA. In: Bartner C, Celesia CG, Hashimoto I, and Kakigi R. *Functional Neuroscience: Evoked Potentials and Magnetic Fields (EEG Suppl. 49)*, Elsevier, 1999. Pages 250-254.
52. The Epilepsies. Trescher W and Lesser RP. In Bradley WG, Daroff RB, Fenichel GM, and Marsden CD. *Neurology in Clinical Practice*. Boston: Butterworth-Heinemann, 2000. Pages 1745-1779.

53. Detection of Epileptiform Activity Using Artificial Neural Networks. Lesser RP, and Webber WRS. In Williamson PD, Siegel AM, Roberts DW, Thadani VM, and Gazzaniga MS. *Neocortical Epilepsies*, Advances in Neurology, vol. 84. Philadelphia: Lippincott Williams & Wilkins, 2000. Pages 307-315.
54. Methodologic Considerations in Cortical Electrical Stimulation in Adults. Lesser R.P. and Gordon B. In Luders HO and Noachtar S. *Epileptic Seizures. Pathophysiology and Clinical Semiology*. New York: Churchill Livingstone, 2000. Pages 153-165.
55. Autosomal Dominant Nocturnal Frontal Lobe Epilepsy. Motamedi GK, Lesser RP. In: S. Fahn, S. Frucht, M. Hallett, D. Truong. *Advances in Neurology*, vol. 89, *Myoclonus and Paroxysmal Dyskinesias*. Philadelphia: Lippincott Williams & Wilkins, 2002. Pages 463-473.

#### BOOKS

1. *Epilepsy: Electroclinical Syndromes (Clinical Medicine and the Nervous System Series)*. Edited by H Lüders and RP Lesser. Berlin, Heidelberg, New York: Springer-Verlag, 1987.
2. *The Diagnosis and Management of Seizure Disorders*. Edited by RP Lesser. New York: Demos Press, 1991.

#### PRESENTATIONS, SOCIETY PROCEEDINGS

1. Epidemiologic Features of the Guillain-Barre Syndrome in Olmstead County, Minnesota, 1935 through 1968. Lesser RP, Hauser WA, Kurland LT and Mulder DW. *Neurology* 21:438-439, 1971.
2. Analysis of the Clinical Problems in Parkinsonism and of the Complications of Long-Term Levodopa Therapy. Lesser R, Fahn S, Snider SR, Cote LJ, Barrett RE, and Isgreen WE. *Neurology* 28:342-343, 1978.
3. The Relationship between Stimulus Intensity and Response Amplitude of Near Field and Far Field Components of the Somatosensory Evoked Response. Lesser R, Koehle R, and Lueders H. *Electroenceph Clin Neurophysiol* 46:18P, 1979.
4. Paradoxical Lateralization of Cortical Potentials Evoked by Stimulation of the Posterior Tibial Nerve. Cruse R, Klem G, Lesser R, Lueders H. *Electroenceph Clin Neurophysiol* 50:221P, 1980.
5. A New Technique for Monitoring Intraoperative Spinal Cord Function. Hahn J, Lesser R, Klem G, Lueders H. *Cong Neurol Surg*, October 1980.
6. The Use of Chronic Subdural Electrodes for Cortical Mapping of Speech. Lesser RP, Hahn J, Lueders H, Rothner AD, Erenberg G. *Epilepsia* 22:240, 1981.
7. The Origin of the Early Somatosensory Potential Evoked by Median Nerve Stimulation. Lesser RP, Hahn JF, Klem G, Lueders H. *Electroenceph Clin Neurophysiol* 51:40P, 1981.
8. Recovery Curve of Cortical and Subcortical Somatosensory Evoked Potentials. Lueders H, Lesser R, Gurd A, Hahn J, Klem G. *Electroenceph Clin Neurophysiol* 52:S93-S94, 1981.
9. Origin of Far Field Subcortical Evoked Potentials to Posterior Tibial and Median Nerve Stimulation: A Comparative Study. Lueders H, Lesser R, Hahn J, Little J, Klem G. 12th World Cong Neurol, September 1981.



10. Determination of Diphenylhydantoin (DPH) and 5-(p-Hydroxyphenyl)5-Phenylhydantoin (HPPH) in Serum. Skrinska V and Lesser R. Clin Chem 27:1092, 1981.
11. Treatment of Acute Focal Cerebral Ischemia with Dimethylsulfoxide (DMSO). Little JA and Lesser RP. J Cerebral Blood Flow Metab 1(Suppl 1):216-217, 1981.
12. Visual Evoked Responses to Light-Emitting Diodes Mounted in Goggles. Lesser RP, Lueders H, Donovan N, Klem G. Soc Neurosci, October 1981.
13. Paradoxical Lateralization of Parasagittal Sharp Waves in a Patient with Epilepsia Partialis Continua: A Case Report. Adelman S, Dinner DS, Lesser RP, Lueders H. Electroenceph Clin Neurophysiol 52:85P-86P, 1981.
14. Possible Second Sensory Seizures Associated with Left Temporal Epileptiform Discharges. Lesser RP, Lueders H, Conomy JP, Furlan AJ. Electroenceph Clin Neurophysiol 52:86P-87P, 1981.
15. The Results of Intraoperative Evoked Potential Monitoring. Hahn JF, Levy J, Lueders H, Lesser RP, Little JR, Klem G. Congress Neurol Surgeons, October 1981.
16. A New Method for Intraoperative Monitoring of SEPs: The Cauda Equina Stimulation Technique. Tsuji S, Lueders H, Gurd A, Hahn J, Dinner D, Lesser RP, Klem G. Neurology 32:A71-A72, 1982.
17. Incidence of Mesial Temporal Epileptogenic Foci in Complex Partial Seizures. Dinner D, Lueders H, Lesser RP, Rothner AD, Erenberg G. Neurology 32:A91, 1982.
18. Location of the Speech Area in Candidates for Temporal Lobectomy: Results of Extra Operative Studies. Lesser RP, Lueders H, Hahn J, Dinner DS, Hanson M, Rothner AD, Erenberg G. Neurology 32:A91, 1982.
19. Results of Four Dichotic Speech Tests for Temporal Lobectomy Candidates. Collard ME, Lesser RP, Lueders H, Dinner DS, Rothner AD, Hahn J, Erenberg G, Cruse R. Neurology 32:A130, 1982.
20. Cortical Somatosensory Evoked Potentials (SEP) to Hand Stimulation. Lueders H, Lesser RP, Hahn J, Dinner D, Klem G. Neurology 32:A204, 1982.
21. Sleep Apnea Secondary to Hydrocephalus. Dinner DS, Lueders H, Lesser RP, Hanson M, Hardy R. In: Chase MH, Webb WB, Wilder-Jones R (Eds.), Sleep Research 11:142. Los Angeles: UCLA Brain Information Service, 1982.
22. Brainstem Auditory Evoked Potentials (BAEPs) in Patients with Near Miss SIDS. Lüders H, Orlowski J, Dinner D, Lesser RP. In: Chase MH, Webb WB, Wilder-Jones R (Eds.), Sleep Research 11:158. Los Angeles: UCLA Brain Information Service, 1982.
23. Treatment of Acute Focal Ischemia with Propranolol and d-Propranolol. Little JR, Latchaw J, Slugg R, Lesser RP, Stowe N. 5th International Symposium on Brain Edema, June 1982.
24. Treatment of Focal Cerebral Ischemia with Prostacyclin and Indomethacin. Awad I, Little JR, Skrinska V, Lucas F, Lesser R. 5th International Symposium on Brain Edema, June 1982.
25. Ineffectiveness of DMSO in Treating Cerebral Ischemia. Little JR, Spetzler R, Lesser RP. New York Academy of Sciences Symposium on DMSO. New York, New York, September 1982.

26. Somatosensory Seizures: A Report of Two Cases. Tsuji S, Dinner DS, Lueders H, Lesser RP, and Goren H. *Electroenceph Clin Neurophysiol* 54:63P, 1982.
27. LED Evoked Potentials: Characteristics and Clinical Correlations. Lesser RP, Lueders H, and Klem G. *Electroenceph Clin Neurophysiol* 54:63-64P, 1982.
28. Results of Extraoperative Stimulation of the Frontal Speech Area. Lesser RP, Lueders H, Hahn J, Cohen L, Dinner DS. *Epilepsia* 24:259, 1983.
29. Auditory Evoked Potentials Recorded with Non-cephalic Reference Electrodes. Tsuji S, Lueders H, Lesser RP, Dinner DS, Klem GH. *Electroenceph Clin Neurophysiol* 56:30P, 1983.
30. Extensive Temporal Lobectomy of the Dominant Hemisphere: A Case Report. Dinner DS, Lueders H, Lesser RP, Hahn J. *Epilepsia* 24:261, 1983.
31. The Anatomical Relationship of the Frontal Speech Area to the Inferior Motor Strip: Results of Extraoperative Cortical Stimulation. Lesser RP, Lueders H, Dinner DS, Hahn J. *Neurology* 33(Suppl 2):63, 1983.
32. Transient Neuropsychological Parietal Lobe Abnormalities Produced by Electrical Stimulation in Man. Morris HH, Lueders H, Lesser RP, Dinner DS, Hahn J. *Neurology* 33(Suppl 2):64, 1983.
33. Effect of Stimulus Intensity on Subcortical and Cortical Somatosensory Evoked Potentials (SEPs) by Posterior Tibial Nerve (PTN) Stimulation. Tsuji S, Lueders H, Lesser RP, Dinner DS, Morris HH, Klem G. *Neurology* 33(Suppl 2):69, 1983.
34. Hysterical Dystonia, a Rare Disorder: Report of Five Documented Cases. Fahn S, Williams D, Reches A, Lesser RP, Jankovic J, Silberstein SD. *Neurology* 33(Suppl 2):161, 1983.
35. The Second Sensory Area in Man: Evoked Potential and Electrical Stimulation Studies. Lueders H, Lesser RP, Dinner DS, Hahn J, Salanga V, Morris HH. *Neurology* 33(Suppl 2):185, 1983.
36. Incidence of Sleep Apnea in Normal Subjects as a Function of Age. Dinner DS, Lueders H, Lesser RP, Perry M. *Neurology* 33(Suppl 2):223, 1983.
37. Altered Phenytoin Clearance in a Patient with Crohn's Disease. Irace P, Lesser RP, Kutt H, Winkelman E, Terrentine S, Gardner M. *Neurology* 33(Suppl 2):232, 1983.
38. High Dose Monotherapy in the Treatment of Intractable Seizures: Acute Toxic Effects and Therapeutic Efficacy. Lesser RP, Pippenger CE, Lueders H, Dinner DS. *Neurology* 33(Suppl 2):233, 1983.
39. Afterdischarge and Functional Alteration Thresholds in the Frontal and Temporal Lobes: Extraoperative Testing. Lesser RP, Lueders H, Dinner DS, Morris HH, Hahn J, Klem G. *Epilepsia* 24:518-519, 1983.
40. Inhibition of Motor Activity Elicited by Electrical Stimulation of the Human Cortex. Lueders H, Lesser RP, Dinner DS, Morris HH, Hahn J. *Epilepsia* 24:519, 1983.
41. High Dose Monotherapy with Primidone. Lesser RP, Pippenger CE, Dinner DS, Lueders H, Morris HH. 15th International Symposium, Washington, D.C., September 28, 1983.

42. Definition of Rolandic Fissure by Cortical Electrical Stimulation and Somatosensory Evoked Potentials. Dinner DS, Lueders H, Lesser RP, Morris HH, Hahn J. 15th Epilepsy International Symposium, September 28, 1983.
43. Value of Multiple Electrodes in Addition to Standard 10/20 System Electrodes in Localizing Epileptiform Foci. Morris HH, Lueders H, Lesser RP, Dinner DS. 15th Epilepsy International Symposium, September 29, 1983.
44. Neuronal Heterotopias and Focal Epilepsy. Dudley AW, Estes M, Lueders H, Lesser RP, Hahn JF, Morris HH, Dinner DS. 15th Epilepsy International Symposium, September 30, 1983.
45. Technical Aspects of Surgical Monitoring Using Evoked Potentials. Lesser RP, Lüders H, Dinner DS, Morris HH, Klem G. Seventh International Congress of Electromyography, October 1983.
46. Improved Tumor and AVM Resection by Prior Cortical Mapping Using Chronic Subdural Electrodes. Moufarrij N, Hahn J, Lesser R. American Association of Neurological Surgeons, San Francisco, California. April 10, 1984.
47. Agraphia Without Apraxia in Broca's Area: Electrical Stimulation Study. Dinner DS, Lueders H, Morris HH, Lesser RP. *Electroenceph Clin Neurophysiol* 58:34P, 1984.
48. Acute Inactivation of the Frontal Eye Fields Does Not Eliminate the Generation of Contralateral Saccades. Lesser RP, Dinner DS, Leigh J, Tomsak RL, Lockwood KI, Lüders H, Morris HH. *Neurology* 34(Suppl 1):95, 1984.
49. A Comparison of the Variability of Afterdischarge and Functional Alteration Thresholds in Man: Results of Extraoperative Testing. Lesser RP, Lüders H, Klem G, Dinner DS, Morris HH. *Neurology* 34(Suppl 1):124, 1984.
50. Familial Hypnogenic Paroxysmal Dystonia Associated with Increased Dopaminergic Activity. Lee BI, Lesser RP, Pippenger CE, Morris HH, Lüders H, Dinner DS, Corrie WS, Murphy WF. *Neurology* 34(Suppl 1):130, 1984.
51. Conduction Velocity of Cauda Equina and Posterior Columns of Humans. Lüders H, Lesser RP, Dinner DS, Morris H, Gurd A, Weiker G. *Neurology* 34(Suppl 1):133, 1984.
52. Cortical Generators of Somatosensory Evoked Potentials (SEPs) to Median Nerve Stimulation. Dinner DS, Lüders H, Lesser RP, Morris HH. *Neurology* 34(Suppl 1):133, 1984.
53. Electroclinical Study of Convulsive Syncope: A Case Report. Dinner DS, Lesser RP, Morris HH, Lueders H. *Electroenceph Clin Neurophysiol* 57:44P, 1984.
54. Cerebral Evoked Potential Studies in Pelizaeus-Merbacher Disease. Tsuji S, Lueders H, Rothner AD, Lesser RP, Dinner DS. *Electroenceph Clin Neurophysiol* 57:45P, 1984.
55. Ipsilateral Somatosensory Evoked Potentials Recorded Directly From the Human Cortex. Lueders H, Lesser RP, Dinner DS, Morris HH, Klem G. *Electroenceph Clin Neurophysiol* 57:45P, 1984.
56. Effect of Check Size on Pattern Reversal Visual Evoked Potentials (PRVEP). Morris HH, Lueders H, Lesser RP, Dinner DS, Klem G. *Electroenceph Clin Neurophysiol* 57:46-47P, 1984.
57. CT Scan Features of the Pharynx in Obstructive Sleep Apnea. Murphy WF, Dinner DS, Weinstein M, Lüders H, Lesser R, and Morris H. *Sleep Research* 13:155, 1984.

58. Polysomnograms Before and After Uvulo-palato-pharyngoplasty for Obstructive Sleep Apnea. Dinner DS, Lüders H, Morris HH, Lesser RP. *Sleep Research* 13:139, 1984.
59. Cortical Functional Localization by Electrical Stimulation Before Surgical Treatment of Primary Brain Tumors. Morris HH, Lüders H, Dinner DS, Lesser RP, Hahn J. *Annals of Neurology* 16:131, 1984.
60. Memory Formation During the Confusional Period Following Intracarotid Sodium Amobarbital Injection. Lesser RP, Dinner DS, Lüders H, Morris HH, Friedman D. *Epilepsia* 25:669, 1984.
61. Extraoperative Cortical Mapping in Seizure Patients: Surgical Significance of Inter-Patient Variability. Awad I, Hahn J, Lüders H, Lesser R. American Academy of Neurological Surgeons, San Francisco, California, April 1984.
62. Conduction Velocity of Cauda Equina and Posterior Columns of Humans. Lüders HO, Morris HH, Lesser RP, Dinner DS, Gurd A, Weiker G. National Research Council International Symposium on Evoked Potentials, Rome, Italy, May 2-4, 1984.
63. Extraoperative Cortical Mapping in Epileptic Patients Using Chronically Implanted Subdural Electrodes. Awad I, Hahn JF, Lesser RP, Lüders H. Society of British Neurological Surgeons. Edinburgh, Scotland, September 21, 1984.
64. Basal Temporal Speech Area Identified by Electrical Stimulation. Lüders H, Lesser R, Hahn JF, Dinner DS, Morris HH. Japanese EEG-EMG Society, Kitakyushu, Japan, November 7-8, 1984.
65. Chronic Basal Temporal Arrays of Subdural Electrodes in the Evaluation of Complex Partial Seizures. Lüders H, Hahn JF, Skipper GJ, Lesser RP, Dinner DS, Morris HH, Estes ML. *Electroenceph Clin Neurophysiol* 61:24P, 1985.
66. The Effects of Intracarotid Injection of Barbiturates on Voluntary Saccades. Leigh RJ and Lesser RP. Ocular Motor Minisymposium (Satellite to American Neurological Association Meeting), *Neuroophthalmology* 5:130, 1985.
67. Ipsilateral Sensory Responses to Electrical Stimulation Via Chronic Subdural Electrodes. Lesser RP, Lüders H, Klem G, Dinner DS, Morris III HH, Hahn J. *Neurology* 35 (Suppl 1):67, 1985.
68. 1.5 Tesla Magnetic Resonance Studies in Patients with Intractable Focal Seizures. Lesser RP, Modic MT, Weinstein MW, Duchesneau PM, Lüders H, Dinner DS, Morris III HH, Estes M, Chou SS. *Neurology* 35 (Suppl 1):132, 1985.
69. Basal Temporal Speech Area Demonstrated by Electrical Stimulation. Lüders H, Lesser RP, Hahn JF, Dinner DS, Morris HH, Resor S, Harrison M. *Neurology* 35 (Suppl 1):229, 1985.
70. Dose Relationships and Side Effects of Zonisamide in Patients with Intractable Complex Partial Seizures. Friedman DB, Lesser RP, Pippenger CE, Abbott LA, Dinner DS, Lüders H, Morris III HH. *Neurology* 35 (Suppl 1):283-284, 1985.
71. Potentials Preceding Self-initiated Movements Recorded from Subdural Electrodes in Humans. Lee BI, Lüders H, Lesser RP, Dinner DS, Morris HH. *Electroenceph Clin Neurophysiol* 62:4P-5P, 1985.
72. Language Disturbances Produced by Electrical Stimulation of the Basal Temporal Region. Lüders H, Lesser RP, Hahn JF, Dinner DS, Morris HH, Harrison M. *Annals of Neurology* 18:151, 1985.

73. Comprehension Deficits Produced by Stimulation of Wernicke's Area in Candidates for Temporal Lobectomy. Lesser RP, Lüders H, Morris HH, Dinner DS, Klem G, Hahn J, Harrison M. *Annals of Neurology* 18:118-119, 1985.
74. Intraoperative Somatosensory Evoked Potentials (SEP) Monitoring: Combined Invasive and Non-Invasive Techniques. Dinner DS, Lüders H, Lesser RP, Morris HH, Barnett GG. *Electroenceph Clin Neurophysiol* 61:S26, 1985.
75. Ipsilateral Somatosensory Evoked Potentials Recorded Directly from the Human Cortex. Lüders H, Lesser RP, Dinner DS, Morris HH, Klem G. *Electroenceph Clin Neurophysiol* 61:S72-S73, 1985.
76. Negative Motor Responses (NMR) Elicited by Stimulation of the Human Cortex. Lüders H, Lesser RP, Morris HH, Dinner DS, Hahn J. 16th Epilepsy International Congress, Hamburg, Germany, September 6-9, 1985.
77. Ipsiversive Head and Eye Movement at the End of the Generalized Tonic-Clonic Phase of Versive Seizures. Wyllie E, Lüders H, Morris H, Lesser R, Dinner D, Goldstick L. *Electroenceph. Clin. Neurophysiol.* 64:19P, 1986.
78. The Lateralizing Significance of Versive Head and Eye Movements During Epileptic Seizures. Wyllie E, Lüders H, Morris HH, Lesser RP, Dinner DS. *Epilepsia* 26:530, 1985.
79. The Need for Anticonvulsant Drug Withdrawal in the Diagnosis of Supplementary Motor Seizures. Goldstick LP, Lesser RP, Lüders H, Morris HH, Dinner DS. *Epilepsia* 26:531, 1985.
80. A Comparison of Recognition and Recall in Patients Undergoing Intracarotid Amobarbital Examination. Lesser RP, Dinner DS, Morris HH, Lüders H. *Epilepsia* 26:534, 1985.
81. Tonic Status Epilepticus Presenting as Absence Status Epilepticus. Goldstick L, Morris HH, Dinner DS, Lüders H, Lesser RP, Wyllie E. *Electroenceph Clin Neurophysiol* 63:43-44P, 1986.
82. Subdural Electrodes in the Evaluation of Patients with Intractable Seizure Disorders. Lüders H, Hahn J, Lesser RP, Dinner DS, Morris HH, Wyllie E, Friedman D. *Epilepsia Panamerica '86*. Sao Paulo, Brazil, February 4-7, 1986.
83. Stimulation of Wernicke's Area Produces Comprehension Deficits. Lesser RP, Lüders H, Dinner DS, Morris HH, Hahn J. International Conference on the Surgical Treatment of Epilepsy. Palm Desert, California, February 20-24, 1986.
84. Memory Changes After Temporal Lobectomy for Intractable Epilepsy. Dinner DS, Lüders H, Lesser RP, Morris HH, Plesec T, DeNelsky G, Hahn J. International Conference on the Surgical Treatment of Epilepsy. Palm Desert, California, February 20-24, 1986.
85. Pathologic-Neurophysiologic Correlations in Patients with Complex Partial Seizures (CPS) of Temporal Lobe Origin. Morris H, Estes M, Lüders H, Lesser RP, Dinner D, Hahn J, Wyllie E. International Conference on the Surgical Treatment of Epilepsy. Palm Desert, California, February 20-24, 1986.
86. Language Interference Elicited by Stimulation of the Dominant Basal Temporal Lobe. Lüders H, Lesser RP, Hahn JF, Dinner DS, Morris HH, Harrison M. International Conference on the Surgical Treatment of Epilepsy. Palm Desert, California, February 20-24, 1986.

87. Memory Changes After Dominant Temporal Lobectomy. Dinner DS, Lüders H, Lesser RP, Morris HH, Plesec T, DeNelsky G, Hahn J. Central Association of Electroencephalographers Annual Meeting. Cedar Rapids, Iowa, March 21, 1986.
88. Electrical Stimulation of Wernicke's Area Produces Comprehension Deficits. Lesser RP, Lüders H, Morris HH, Dinner DS, Klem G, Hahn J. Body for the Advancement of Brain, Behavior and Language Enterprises Annual Meeting. Niagra Falls, Ontario, March 28-29, 1986.
89. Neurophysiologic Techniques as an Aid to Anatomic Landmarks for the Surgical Removal of Primary Brain Tumors. Hahn JF, Morris HH, Lüders H, Lesser RP. Neurosurgical Society of America. Point Clear, Alabama, April 3, 1986.
90. Lobectomy for Intractable Epilepsy: Clinicopathologic Correlates in 60 Cases. Estes ML, Morris III HH, Lüders H, Lesser RP, Dinner DS, Friedman D, Hahn J, Wyllie E. *Neurology* 36 (Suppl 1):86, 1986.
91. Ictus Emeticus: An Electroencephalographic Analysis. Kramer RE, Lüders H, Goldstick LP, Dinner DS, Lesser RP, Morris HH, Wyllie E. *Neurology* 36 (Suppl 1):91, 1986.
92. The Source of "Paradoxical Lateralization" of Cortical Potentials Evoked by Posterior Tibial Nerve Stimulation: Results of Simultaneous Recording With Scalp and Implanted Electrodes. Lesser RP, Lüders H, Dinner DS, Hahn J, Morris HH, Wyllie E. *Neurology* 36 (Suppl 1):292, 1986.
93. Cortical Evoked Potentials to Tendon Tapping Recorded from Chronic Subdural Electrodes. Goldstick L, Lüders H, Lesser RP, Dinner DS, Morris HH, Wyllie E, Kramer R, Rosza B. *Neurology* 36 (Suppl 1):293, 1986.
94. Relationship of Memory Changes After Temporal Lobectomy and Extent of Resection. Dinner DS, Lüders H, Lesser RP, Morris HH, Hahn J, DeNelsky GY, Plesec T. *Neurology* 36 (Suppl 1):294-295, 1986.
95. Basal Temporal Subdural Electrodes in the Evaluation of Complex Partial Seizures. Lüders H, Hahn J, Lesser RP, Dinner DS, Morris HH, and Wyllie E. *Ann Neurol* 20:120, 1986.
96. Chronically Implanted Subdural Electrodes in the Evaluation for Epilepsy Surgery in Children and Adults. Wyllie E, Lüders H, Morris HH, Lesser RP, Dinner DS, Hahn J, Estes M, Rothner AD, Erenberg G, Cruse RP, and Friedman D. *Ann Neurol* 20:420, 1986.
97. Comprehension Deficits Elicited by Electrical Stimulation of Broca's Area. Lüders H, Lesser RP, Dinner DS, Morris HH, Wyllie E, Klem G. *Epilepsia* 27:598-599, 1986.
98. Transient Focal Abnormalities Documented by Magnetic Resonance Imaging (MRI) and Computerized Tomography (CT) During Focal Status Epilepticus. Kramer RE, Lesser RP, Lüders H, Weinstein MA, Dinner DS, Morris HH, Wyllie E. *Epilepsia* 27: 619, 1986.
99. Measurement of Psychosocial Functioning of Employed Epileptic Adults. Friedman DB, Lesser RP, Dinner DS, Lüders H, Morris HH, Wyllie E. *Epilepsia* 27: 619, 1986.
100. Clinical Outcome After Complete and Partial Cortical Resection for Intractable Epilepsy. Wyllie E, Lüders H, Morris HH, Lesser RP, Dinner DS, Hahn J, Estes M, Rothner AD, Erenberg G, Cruse R, and Friedman D. *Epilepsia* 27:635-636, 1986.

101. Efficacy and Safety of Zonisamide in Patients with Complex Partial Seizures. Harold H. Morris III, Ronald P. Lesser, Hans Lüders, Dudley S. Dinner, Elaine Wyllie, Doni Murphy, Diane Friedman, and Charles Pippinger. *Neurology* 37(Suppl): 351, 1987. *Neurology* 37(Suppl): 351, 1987.
102. Zonisamide as Long-term Treatment for Refractory Partial and Generalized Tonic-Clonic Seizures. B. Wilder, J. C. Sackellares, A. J. Wilensky and L. M. Ojemann, R.P. Lesser, D. S. Dinner, H. Lüders, and H. H. Morris. *Neurology* 37(Suppl 2): 351-352, 1987.
103. The Effect of Sleep on Median Nerve Short Latency Somato-sensory Evoked Potentials. Addy RO, Dinner DS, Lüders H, Lesser RP, Morris HH, and Wyllie E. Sleep Research Society Annual Meeting. Copenhagen, Denmark. June 29, 1987. *Sleep Research* 16:3, 1987.
104. Memory Changes after Dominant Temporal Lobectomy. Dinner DS, Lüders H, Lesser RP, Morris HH, Plesec T, Denelsky G and Hahn J. *Electroenceph clin Neurophysiol* 67:40-41P, 1987.
105. Effect of Sleep on Median Nerve Short-Latency Somatosensory Evoked Potentials. Addy RO, Dinner DS, Lüders H, Lesser RP, Morris HH, and Wyllie E. *J Clin Neurophysiol* 4:243, 1987. *Electroenceph clin Neurophysiol* 69:86P-87P, 1988.
106. The Direction of Versive Saccadic Eye Movements During Seizures. Kaplan P and Lesser RP. *Epilepsia* 28:588, 1987.
107. Cortical Electrical Stimulation of Frontal and Temporal Speech Areas in the Evaluation of Epilepsy Surgery in Children and Adolescents. Wyllie E, Lüders H, Dinner DS, Morris HH, Hahn J, and Lesser RP. *Epilepsia* 28:622, 1987.
108. The Relationship of Seizure Frequency to Employment in Patients with Epilepsy. Lesser RP, Sanders PT, and Fisher RS. *Epilepsia* 28:629, 1987.
109. Inhibition of Motor Movements Elicited by Electrical Stimulation of the Premotor Frontal Lobe. Lüders H, Lesser RP, Dinner DS, Morris HH, Wyllie E, and Hahn J. *Epilepsia* 29:206, 1988.
110. Complex Semantic Comprehension is Preserved during Wada Testing of the Language Dominant Hemisphere. Hart J, Lesser RP, Fisher RS, and Gordon B. *Ann Neurol* 24:135, 1988.
111. Adverse Blood Donor Reactions in Individuals with Seizures or Epilepsy: Evidence that Existing Restrictions may be Unnecessary. Krumholz A, Douglas DK, Fisher RS, Lesser RP, Bergey GK, and Hauser WA. *Epilepsia* 29:657, 1988.
112. Language during Electrical Cortical Stimulation: Variety of Errors and Dissociations and Reliability of Results. Gordon B, Hart J, Fisher RS, and Lesser RP. *Epilepsia* 29:668, 1988.
113. Epilepsy Monitoring Unit: Review of the First 80 Patients. Bare MA, Lesser RP, Fisher RS, and Vining EPG. *Epilepsia* 29:669, 1988.
114. Electrical Cortical Stimulation: Effects of Afterdischarges on Cognitive and Motor Performance. Lesser RP, Fisher RS, Hart J, and Gordon B. *Epilepsia* 29:672, 1988.

115. The Intracarotid Amobarbital (Wada) Test for Language Dominance: Correlation with Results of Extraoperative Cortical Electrical Stimulation. Wyllie E, Murphy D, Dinner DS, Morris HH, Lüders H, Lesser RP, and Godoy J. *Epilepsia* 29:672, 1988.
116. Approach to "Spells" or Recurrent Transient Neurologic Dysfunction of Uncertain Etiology -A Prospective Study of 101 Epilepsy Center Patients. Devathasan G, Fisher RS, Krumholz A, Barta P, and Lesser RP. *Epilepsia* 29:696, 1988.
117. Estimates of MEG Localization Accuracy in Clinical Applications. Litt B, Eaton HAC, Fisher RS, Lesser RP, and Ko HW. *Epilepsia* 29:702, 1988.
118. On-line Detection of Epileptic Spikes on Multi-channel Recordings. Bankman I, Webber WRS, Waechter M, Fisher RS, and Lesser RP. *Epilepsia* 29:711, 1988.
119. Pure Alexia and Models of Orthographic-To-Phonologic Mapping. Gordon B, Hart J, Lesser RP, Uematsu S, and Resor S. Academy of Aphasia Annual Meeting. Toronto, Ontario, Canada. October 18, 1988.
120. Dissociations In Mixed Transcortical Aphasia Produced By Direct Cortical Electrical Stimulation. Gordon B, Hart J, Lesser RP, Selnes O, Fisher R, and Uematsu S. Academy of Aphasia Annual Meeting. Toronto, Ontario, Canada. October 18, 1988.
121. Localization of the Basal Temporal Speech Area in Patients with Left Temporal Lobe Epilepsy. Burnstine TH, Lesser RP, Gordon B, Zinreich SJ, Krauss GL, Hart J, and Fisher RS. *Neurol* 39:298, 1989.
122. Fractionation of Language Functions by Direct Electrical Cortical Stimulation: Functional and Neuroanatomic Aspects. Gordon B, Lesser R, Jart J, Selnes O and Uematsu S. *Neurol* 39:175, 1989.
123. The Intracarotid Amobarbital (Wada) Test for Language Dominance: Correlation with Results of Cortical Stimulation. Wyllie E, Lüders H, Murphy D, Morris H, Dinner D, Lesser R, Godoy J, Kotagal P, and Kanner A. Ninth Annual Cleveland Clinic Foundation Research Day. September 7, 1989.
123. Adverse Reactions in Blood Donors with a History of Seizures or Epilepsy. Douglas DK, Krumholz A, Ness PM, Fisher RS, Lesser RP, Bergey GK, and Hauser WA. *Transfusion* 28 (No. 65):325, 1988.
124. Multimunicable Electrode Grid for Localization of Epileptogenic Areas and Mapping Cortical Function. Uematsu S, Lesser R, Fisher R, and Gordon B. Tenth Meeting of the World Society for Stereotactic and Functional Neurosurgery. Maebashi, Japan. October 3-5, 1989.
125. Individual Variations and Broad Representation of Motor and Sensory Cortex in Man. Lesser R, Fisher R, and Gordon B. Tenth Meeting of the World Society for Stereotactic and Functional Neurosurgery. Maebashi, Japan. October 3-5, 1989.
126. Resection of the Epileptogenic Area in Critical Cortex with Aid of a Subdural Electrode-Grid. Lesser R, Fisher R, and Gordon B. Tenth Meeting of the World Society for Stereotactic and Functional Neurosurgery. Maebashi, Japan. October 3-5, 1989. *Stereotact Funct Neurosurg* 54+55:34-35, 1990.
127. Controlled Trial Centro-median Stimulation for Epilepsy. Fisher, R, Lesser R, Uematsu S. Tenth Meeting of the World Society for Stereotactic and Functional Neurosurgery. Maebashi, Japan. October 3-5, 1989.



128. Hypertonicity as Well as Inhibition of Motor Movements Can Be Produced by Stimulation of the Premotor Cortex. Lesser RP, Gordon B, Hart J, Fisher RS, Schwerdt P, Uematsu S, and Zinreich SJ. *Epilepsia* 30:643, 1989.
129. Individual Variations and Broad Representation of Motor and Sensory Cortex in Humans. Uematsu S, Lesser R, and Fisher R. *Epilepsia* 30:643, 1989.
130. EEG Changes During Simple Partial Seizures. Bare M, Burnstine T, Lesser R, Fisher R, Vining E, Cole A, and Kaplan P. *Epilepsia* 30:643, 1989.
131. Tonic Seizures in Multifocal Epileptiform Disease in Children. Burnstine TH, Vining EPG, and Lesser RP. *Epilepsia* 30:655, 1989.
132. Controlled Pilot Trial of Dextromethorphan as Adjunct Therapy for Complex Partial Seizures. Fisher RS, Cysyk BJ, Lesser RP, Hart J, Schwerdt P, and Gordon B. *Epilepsia* 30:679, 1989.
133. Relationship of Seizure Frequency to Employment in Patients with Epilepsy. Sanders P, Lesser R, and Fisher R. *Epilepsia* 30:710, 1989.
134. Intracarotid Amobarbital Injection: Results of a Standardized Memory Test Protocol in 30 Patients. Hart J, Gordon B, Lesser R, Fisher R, and Schwerdt P. *Epilepsia* 30:713, 1989.
135. Use of Subdural Electrodes for Investigating Cortical Function. Lesser RP, Gordon B, Hart J, Fisher R, Vining E, and Uematsu S. *Epilepsia* 30:723, 1989.
136. Direct Electrical Stimulation in Language Areas Can Predict Deficits with Structural Lesions. Gordon B, Lesser R, Hart J, Uematsu S, Fisher R, Schwerdt P, and Zinreich J. *Epilepsia* 30:724, 1989.
137. Psychogenic Seizures Versus Epileptic Seizures: The Need for Video As Well as EEG Analysis. Burnstine TH, Lesser RP, and Cole AJ. *Epilepsia* 30:726, 1989.
138. A File System for Computer-Based EEG. Webber WRS, Wilson K, and Lesser RP. *Epilepsia* 30:739, 1989.
139. Functional and anatomical organization of language revealed by direct cortical electrical interference mapping. Gordon B, Lesser R, Hart J, Selnes O, Uematsu S, Zinreich S, Thakor N, and Schwerdt P. Academy of Aphasia, 27th Annual Meeting, October 15-17, 1989, Santa Fe, New Mexico.
140. Reading Aloud as a Target for Neural Modeling. Gordon B, Hart J, Lesser RP, Pettis MK, and Sieracki JA. Neural Network Chowder and Marching Society Meeting, Johns Hopkins University Applied Physics Laboratory, Laurel, MD, January 20, 1990.
141. Psychogenic Seizures Resembling Complex Partial Seizures. Lesser RP and Krauss GL. The Dilemma of Non-Epileptic (Pseudoepileptic) Seizures Symposium, March 1-3, 1990, Ft. Lauderdale, Florida.
142. Resection of the Epileptogenic Area in Critical Cortex with Aid of a Subdural Electrode-Grid. Uematsu S, Lesser R, Fisher R, and Gordon B. Annual Meeting of the American Association of Neurological Surgeon, April, 1990, Nashville, TN.

143. Individual Variations and Broad Representation of Motor and Sensory Cortex in Man. Uematsu S, Lesser R, Fisher R, and Gordon B. Annual Meeting of the American Association of Neurological Surgeon, April, 1990, Nashville, TN.
144. Multimunicable Electrode Grid for Localization of Epileptogenic Areas and Mapping Cortical Function. Uematsu S. and Lesser R. Annual Meeting of the American Association of Neurological Surgeon, April, 1990, Nashville, TN.
145. Alexia Without Agraphia From Restricted Inferotemporal Lesions. Hart J, Gordon B, Lesser R, Uematsu S, Schwerdt P, Pettis M, and Zinreich SJ. *Neurology* 40 (Suppl 1):171, 1990.
146. Individual Variations in Perisylvian Language Representation. Gordon B, Hart J, Lesser R, Schwerdt P, Bare M, Fisher R, Krauss G, Uematsu S, and Selnes O. *Neurology* 40 (Suppl 1):172, 1990.
147. A Microprocessor-Based Epilepsy Monitoring Unit. Lesser RP, Webber WRS, Wilson K, and Fisher RS. *Neurology* 40 (Suppl 1):255, 1990.
148. Epilepsy and Functional Representation in Human Cortex. Krauss GL, Lesser RP, Gordon B, Fisher RS, Hart J, and Uematsu S. *Neurology* 40 (Suppl 1):257, 1990.
149. High Frequency Burst Activity in Human Epileptic Cortex. Webber WRS, Fisher RS and Lesser RP. *Neurology* 40 (Suppl 1):330, 1990.
150. Finger Stick Blood for Prolactin Assay: Use in Seizure Diagnosis. Fisher RS, Gaillard W, Bare M, Lesser RP, and Chan DW. *Neurology* 40 (Suppl 1):442:1990.
151. A Microcomputer Based Epilepsy Monitoring Unit. Shipley RF, Schrenker RA, Webber WRS, and Lesser RP. Association for the Advancement of Medical Instrumentation. May 9, 1990. Anaheim, California.
152. Intrahemispheric Connectivity and Individual Variations in Neuroanatomic organization of Language Revealed by Direct Cortical Electrical Interference Mapping. Gordon B, Hart J, Lesser RP, Selnes O, and Uematsu S. Annual TENNET Conference, Montreal, Canada, May 10-12, 1990.
153. A Microprocessor-Based Epilepsy Unit. Lesser RP, Webber WR, and Fisher RS. Second International Cleveland Clinic Epilepsy Symposium. Epilepsy Surgery, Cleveland, Ohio, June 19-23, 1990.
154. Broader Representation of Motor Cortex in Man. Uematsu S, Lesser R, Fisher R, Gordon B, and Vining EP. Second International Cleveland Clinic Epilepsy Symposium. Epilepsy Surgery, Cleveland, Ohio, June 19-23, 1990.
155. Tailored Resection of Epileptogenic Cerebral Tissue with Aid of a Subdural Grid-Electrode. Uematsu S, Lesser R, Fisher R, Krauss G, Hart J, Vining E, Freeman J, and Gordon B. Second International Cleveland Clinic Epilepsy Symposium. Epilepsy Surgery, Cleveland, Ohio, June 19-23, 1990.
156. Multimunicable Electrode Grid for Localization of Epileptogenic Areas and Mapping Cortical Function. Uematsu S, Lesser R, Fisher R, and Gordon B. Second International Cleveland Clinic Epilepsy Symposium. Epilepsy Surgery, Cleveland, Ohio, June 19-23, 1990.
157. Broader Representation of Motor Cortex in Man. Uematsu S, Lesser R, Fisher R, Gordon B, and Vining EP. Congress of Neurological Surgeons, Los Angeles, California, October 21, 1990.

158. It Is Not Harmful for Patients with Epilepsy to View Their Own Seizures. Bare M, Sanders P, and Lesser RP. *Epilepsia*, 31:615, 1990.
159. Computerized EEG Analysis and Topographic Mapping. Lesser RP. *Epilepsia*, 31:645, 1990.
160. Mesial Temporal Perfusion of Amobarbital Does Not Usually Occur During the Wada Test: Correlations with Single-Photon Emission Computerized Tomography (SPECT). Lesser RP, Jeffrey PJ, Monsein LH, Hart J, Fisher RS, Gordon B, Szabo A, Wagner HN, and Camargo EE. *Epilepsia*, 31:677, 1990.
161. Cognitive Outcome Following Resection of Basal Temporal Language Areas Mapped with Cortical Stimulation. Krauss GL, Lesser RP, Hart J, Gordon B, and Uematsu S. *Epilepsia*, 31:679, 1990.
162. Multimunicable Electrode Grid for Localization of Epileptogenic Areas and Mapping Cortical Function. Uematsu S, Lesser R, Fisher R, and Gordon B. *Epilepsia*, 31:684, 1990.
163. Broader Representation of Motor Cortex in Man. Uematsu S, Lesser R, Fisher R, and Gordon B. *Epilepsia*, 31:684, 1990.
164. On-Line Detection of Epileptic Spikes Using a Patient Independent Neural Network. Webber WRS, Wilson K, Lesser RP, Fisher RS, and Eberhart RC. *Epilepsia*, 31:687, 1990.
165. Modularity in the Verbal-Visual Representation of Size Shown by Cortical Electrical Interference. Hart J, Lesser RP, Gordon B. *Soc Nsci Abst* 16:27, 1990.
166. Quantitative Analysis and Automatic Techniques in the Diagnosis and Management of Epilepsy. Lesser R. American EEG Society, "Theodore Johnston Case Symposium", September 23, 1990.
167. Visual Confrontation Naming Mapped with Direct Cortical Electrical Stimulation. Gordon B, Hart J, Lesser R, Schwerdt P, Bare M, Selnes O, Fisher R, and Uematsu S. *Neurology*, 41 (Suppl 1):186, 1991.
168. A Comparison of Sphenoidal and Cheek Electrodes for the Identification of Epileptiform Activity. Krauss GL, Lesser RP, Fisher RS and Arroyo S. *Neurology* 41 (Suppl 1):261, 1991.
169. Longitudinal Study of Cognitive Performance in Patients' Status Post-Temporal Lobectomy. Schwerdt P, Hart J, Lesser RP, Fisher RS, Reusing S, Boatman D, and Gordon B. *Neurology* 41 (Suppl 1):299, 1991.
170. Anatomic Correlates of Memory Impairments from Intracarotid Amobarbital Injections with HM-PAO SPECT. Hart J, Jeffery PJ, Monsein LH, Lesser R, Fisher R, Schwerdt P, Reusing S, and Gordon B. *Neurology* 41 (Suppl 1):300, 1991.
171. Favorable Alteration of Phenobarbital/Primidone Ratios with Addition of Clonazepam. Burke AM, Harvey IL, and Lesser RP. *Neurology* 41 (Suppl 1):384, 1991.
172. Reading Deficits Revealed by Interruption of External Auditory Feedback. Boatman D, Pettis M, Hart J, Lesser R, and Gordon B. *Neurology* 41 (Suppl 1):408, 1991.
173. Loss of Visual Word Recognition in Pure Alexia from Left Lateral Occipital Lesion: A Prospective, Longitudinal Study. Gordon B, Hart J Jr., Lesser RP, Boatman D, Uematsu S, Fisher RS, Masdeu J. *Ann Neurol* 30:240, 1991.

174. Cognitive-Related Potentials in Humans: Results of Direct Cortical Recordings. Krauss GL, Ronald RP, Gordon B, WRS Webber, Poon PW, and Uematsu S. *Ann Neurol* 30:240, 1991.
175. High-frequency Electroencephalogram Activity at the Start of Seizures. Fisher RS, Webber WRS, Litt B, Uematsu S, and Lesser RP. *Ann Neurol* 30:291, 1991.
176. Hemispheric Language Representation as Shown by the Intracarotid Amobarbital Procedure. Hart J, Lesser R, Monsein L, Jeffrey P, Fisher RS, and Gordon B. *Ann Neurol* 30:293, 1991.
177. Mechanisms of Speech Perception: Evidence from a Temporally Lesioned Patient. Boatman D, Gordon B, Hart J, Lesser R, Schwerdt P, and Uematsu S. *Academy of Aphasia Annual Meeting, Rome, Italy, October 13-15, 1991.*
178. Automatic EEG Spike Detection: What Should the Computer Look For? WRS Webber, RS Fisher, RP Lesser. 13th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Orlando, Florida. November 3, 1991.
179. Three Methods for Testing a Computerized Spike Detector. Webber WRS, Lesser RP, and Fisher RF. *Electroenceph Clin Neurophysiol* 83:86p-87p, 1992.
180. Representation of Primary Motor Cortex in Humans: Studies with Chronic Subdural Grid. Hara K, Uematsu S, Lesser RP, Fisher RS, Gordon B, Hart J, and Vining E. *Epilepsia* 32:23, 1991.
181. Sites of Origin of Seizures with Diffuse Electrodecremental Pattern. Arroyo S, Lesser RP, Fisher RS, Krauss GL, and Vining EP. *Epilepsia* 32:24, 1991.
182. The Relationship Between Psychiatric Diagnosis and Psychogenic Seizures. Krauss G, Sanders P, Bare M, Barta P, and Lesser R. *Epilepsia* 32:60, 1991.
183. Anomia Before and After Temporal Lobectomy. Hart J, Gordon B, Lesser R, Schwerdt P, Reusing S, Fisher R, Krauss G, and Uematsu S. *Epilepsia* 32:73, 1991.
184. A Controlled Pilot Study of Centromedian Thalamic Stimulation for Epilepsy. Fisher RS, Uematsu S, Krauss GL, Cysyk BJ, Lesser RP, and Rise M. *Epilepsia* 32:86, 1991.
185. Utility of Intraoperative Neuropsychological Testing with Stepwise Resection. Gordon B, Uematsu S, Lesser R, Schwerdt P, Fisher R, Vining EPG, and Hart J. *Epilepsia* 32:87, 1991.
186. Modern EEG Techniques (Invasive). Lesser R. *Epilepsia* 32:106, 1991.
187. Mu Rhythm in the Human Cortex: An Electrophysiologic Study with Subdural Electrodes. Arroyo S, Lesser RP, Gordon B, and Jackson D. *Neurology* 42(Suppl 1):265, 1992.
188. Efficacy and Safety of Zonisamide: Results of a Multicenter Study. Leppik IE, Willmore LJ, Homan R, Fromm G, Oommen KJ, Penry JK, Sackellares JC, Smith DB, and Lesser RP. *Neurology* 42(Suppl 1):330, 1992.
189. The Intra- and Inter-Hemispheric Organization of Language in a Bilingual as Tested with the Intracarotid Amobarbital Procedure (IAP). Schwerdt P, Boatman D, Lesser RP, Hart J, and Gordon B. *Neurology* 42(Suppl 1):449, 1992.

190. EEG Predicts Neurological Recovery of Dogs Undergoing Profound Hypothermic Circulatory Arrest. Arroyo S, Lesser RP, Redmon MJ, Gillinov AM, Jackson D, and Baumgartner WA. *Ann Neurol* 32:235, 1992.
191. Auditory Event-Related Potentials Localized Over the Human Cortex in Patients with Epilepsy. Krauss GL, Lesser RP, Ruchkin D, Gordon B, Poon P, Uematsu S. *Electroenceph clin Neurophysiol* 86:74P, 1993.
192. Bilateral (Mixed) Language Dominance: Effects of Corpus Callosotomy. Crone NE, Vining EPG, Lesser RP, Uematsu S, Hart J, and Gordon B. *Epilepsia* 33 (Suppl 3): 27, 1992.
194. Seizure Localization: Mapping with Scalp versus Arrays of Subdural Electrodes. Arroyo S, Krauss GL, Fisher RS, Vining EP, Uematsu S, and Lesser RP. *Epilepsia* 33 (Suppl 3): 90, 1992.
195. Proportion of Epileptogenic Area Removed, Not Resection Size, Correlates with the Outcome of Seizure Surgery. Uematsu S, Lesser R, Gordon B, Krauss G, Cole A, Fisher R, Vining EP, and Gluck D. *Epilepsia* 33 (Suppl 3): 93, 1992.
196. The Localization of Speech Perception Processes Using Direct Cortical Electrical Interference and Electrocorticography. Boatman DF, Crone NE, Lesser RP, Nathan S, Hart J Jr., Schwerdt P, Sieracki J, Poon P, Webber R, Uematsu S, and Gordon B. *Epilepsia* 33 (Suppl 3): 119, 1992.
197. Gelastic Seizures: Origin in the Cingulate Gyrus. Arroyo S, Lesser RP, Vining EP, Uematsu S, and Fisher RS. *Epilepsia* 33 (Suppl 3): 127, 1992.
198. Retrograde Amnesia Following Left Temporal Lobectomy. Medina AM, Hart J Jr., Lesser RP, Krauss G, Uematsu S, and Gordon B. *Epilepsia* 33 (Suppl 3): 139, 1992.
199. Cortical Auditory Mismatch Detection: Event-Related Potential Assessment Using Direct Cortical Mapping. Krauss GL, Lesser RP, Poon W, Ruchkin D, and Uematsu S. *Neurology* 43:A267-268, 1993.
200. Distribution in Time of Seizures During Presurgical EEG Monitoring. Todorov AB, Lesser RP, Uematsu SS, and Yankov YA. *Neurology* 43:A287, 1993.
201. Blinded Controlled Study of Transient Arousals in Periodic Leg Movements in Sleep: Effect of Propoxyphene and Levodopa/Carbidopa Treatments. Arroyo S, Allen RP, Earley CJ, and Lesser RP. *Neurology* 43:A:325, 1993.
202. Evidence for Orientation-Specific Channels in Human Visual Information Processing. Lesser RP, Hart J Jr, and Gordon B. *Neurology* 43:A353, 1993.
203. Etiology of Anomia from a Temporal Lobe Lesion. Gordon B, Lesser RP, and Hart J Jr. *Neurology* 43:A403, 1993.
204. Studies of Knowledge Representation and Neuroanatomic Associations. Hart J Jr, Lesser RP, and Gordon B. *Neurology* 43:A405, 1993.
204. Multiple Subpial Transection Epilepsy Treatment Produces Non-Selective Cortical Fiber Disruption. Kaufmann W, Krauss GL, Lesser RP, and Uematsu S. *Neurology* 43:A418, 1993.
205. Threshold Temperatures for First Pain Sensation. Laser-Evoked Potentials and Nociceptor Activation are Similar. Treede R-D, Meyer RA, and Lesser RP. Seventh World Congress on Pain. Paris, France. August 22-27, 1993.

206. Short Latency Somatosensory Evoked Potentials Recorded Around the Human Upper Brainstem. Urasaki E, Uematsu S, Lesser RP. *Electroenceph clin Neurophys* 87:S109, 1993.
207. Total Resection of Perioccipital Epileptogenic Area with Preservation of Visual Function: The Advantage of Preoperative Subdural Grid Mapping. Uematsu S, Lesser RP, Gordon B, Krauss G, and Vining EPG. *Epilepsia* 34 (suppl 6):33, 1993.
208. Color Digital EEG Display Produces a Large Increase in Viewed Timespan. Webber WRS and Lesser RP. *Epilepsia* 34 (suppl 6):82, 1993.
209. Histologic and Electrical Recording Analysis of Radiofrequency Lesion "Transections" Placed in Epileptogenic Cortex of Human Subjects. Krauss GL, Uematsu S, Kaufmann W, and Lesser RP. *Epilepsia* 34 (suppl 6):108, 1993.
210. Topographic Mapping of Human Sensorimotor Cortex with Electro cortical Spectra. Crone NE, Lesser RP, Krauss GL, Nathan SS, Sieracki JM, and Gordon B. *Epilepsia* 34 (suppl 6):122-123, 1993.
211. Manual Measurement of Amygdalohippocampal Volume: Reliability in Comparison to Computer-Based Measurement. Hoshida T, Uematsu S, and Lesser RP. *Epilepsia* 34 (suppl 6):134, 1993.
212. Automated Neural Network Spike Detection: A Practical System for Epilepsy Monitoring. Webber R, Lesser R, Litt B, and Wilson K. *Epilepsia* 34 (suppl 6):144-145, 1993.
213. The cortical Representation of Syllable Timing as Revealed by direct cortical electrical stimulation. Academy of Aphasia Annual Meeting, Tucson, Arizona, October 26, 1993.
214. Source-Sink Enhancement of Auditory ERP Components Using Laplacian Derivatives on Subdural Grid Electrode Recordings. Krauss GL, Poon W-T, Lesser R, Uematsu S. *Electroenceph clin Neurophysiol* 91:39p, 1994.
215. Patterns of Change in Electro corticographic Spectra During Human Language Processing. Crone NE, Nathan S, Lesser RP, Webber R, Poon W-T P, Uematsu S, and Gordon B. American EEG Society Annual Meeting, New Orleans, Louisiana, October 11-12, 1993.
216. The cortical representation of syllable timing as revealed by direct cortical electrical stimulation. Boatman D, Lesser RP, Schwerdt P, Hopp J, Uematsu S, and Gordon B. Academy of Aphasia Annual Meeting, Tucson, Arizona, October 26, 1993.
217. Spatial Filter to Improve Computerized Spike Detection. Webber WRS, Wilson K, and Lesser RP. American EEG Society Annual Meeting, New Orleans, Louisiana, October 11-12, 1993. *Electroenceph clin Neurophysiol* 91:342, 1994.
218. Patterns of Change in Electro corticographic Spectra during Human Language Processing. Crone NE, Nathan S, Lesser RP, Webber R, Poon W-T P, Uematsu S, and Gordon B. *Electroenceph clin Neurophysiol* 91:46p, 1994.
219. Cortical Generators for Visual Evoked Potentials in Man. Arroyo S, Krauss GL, Hong S, Poon W-T, Uematsu S, and Lesser RP. *Electroenceph clin Neurophysiol* 91:46p, 1994.
220. Distribution of the Hand Motor and Sensory Cortex Studied with Subdural Electrodes. Nii Y, Uematsu S, Lesser RP, Gordon B. *J Neurosurg* 80:370-371, 1994.

221. Total Resection of the Perioccipital Epileptogenic Area with Preservation of Visual Function: The Advantage of Preoperative Subdural Grid Mapping. Uematus S, Lesser RP, Gordon B, Krauss G, Vining EPG. *J. Neurosurg* 80:371, 1994.
222. Visual Processing in the Human Cortex: Results from Direct Cortical Recording of Visual Evoked responses. Arroyo S, Krauss GL, Poon W-T, Uematsu S, Gordon B, and Lesser RP. *Neurology (Suppl 2):A232*, 1994.
223. A Seizure Detector Based on a Neural Network for EEG Recordings from Scalp. Webber WRS, Richardson RT, and Lesser RP. *Electroenceph clin Neurophysiol* 95:28P, 1995.
224. Regional Cortical Activation During Language and Related Tasks Identified by Direct Cortical Electrical Recording. Crone NE, Hart J, Boatman D, Lesser RP, and Gordon B. *Academy of Aphasia*, Boston, October 24, 1994.
225. The Time Course of Regional Cerebral Activation During Cognitive Tasks: Results of Direct Cortical Recording in Humans. Crone NE, Hart J, Lesser RP, and Gordon B. *Abstracts, Society for Neuroscience*, 20(part 2):1001, 411.8, 1994.
226. Extent of removal of epileptogenic foci predicts success of surgical treatment of temporal lobe epilepsy. *American Neurological Association Annual Meeting*, San Francisco, California, October, 1994.
227. Transient arithmetic fact retrieval deficits during cortical stimulation. Whalen J, McCloskey M, Lesser RP, and Gordon B. *Theoretical and Experimental Neuropsychology (TENNET) V conference*, Montreal, May 29-31, 1994.
228. Selective preservation of color processing in severe visual object agnosia. Hart J, Pettis M, Lesser RP, Holcomb H, and Gordon B. *American Neurological Association*, San Francisco, Oct. 1994.
229. Regional cortical activation during language and related tasks identified by direct cortical electrical recording. Crone NE, Hart J, Boatman D, Lesser RP, and Gordon B. *Brain and Language* 47: 466, Oct. 1994.
230. Recovery and its implications for cognitive neuroscience. Gordon B, Hart J, Lesser RP, and Selnes OA. *Brain and Language* 47: 521, Oct. 1994.
231. Spectral Changes Associated with Regional Cerebral Processing: Results of Direct Cortical Recording in Humans. Crone NE, Hart J, Lesser RP, Boatman D, and Gordon B. *American Epilepsy Society*, New Orleans, December 6, 1994.
232. Electrocorticographic Coherence Mapping Reveals Tongue Activation Areas of the Human Sensorimotor Cortex. Sherman DL, Nathan SS, Crone NE, Lesser RP, Gordon B, and Thakor NV. *Electroenceph clin Neurophysiol* 95:21P-22P, 1995.
233. Intracranial Recordings Distinguish Separate Brain Regions Active During Spatial and Phonological Working Memory. Krauss GL, Ruchkin D, Poon W, Reighn E, and Lesser RP. *Electroenceph clin Neurophysiol* 95:22P, 1995.
234. Combined Spike and Seizure Detector Employing Artificial Neural Networks and a Laplace Estimate Filter. Webber WRS, Wilson K, and Lesser RP. *Epilepsia* 36(suppl 4):6, 1995.

235. Language Laterality as Determined by a Standardized Intracarotid Amobarbital Procedure. Tesoro MA, Hart J Jr, Schwerdt P, Lesser RP, Carson K, Krauss G, Vining EPG, Monsein L, Boatman DF, and Gordon B. *Epilepsia* 36(suppl 4):145, 1995.
236. Cortical Stimulation Mapping of Right Hemisphere Language in Patients with Bilateral Speech Arrest During the Intracarotid Amobarbital Procedure.. Rios ME, Hart J, Lesser RP, Gordon B. *Epilepsia* 37(suppl. 5) 132, 1966.
237. Automatic Fast Recovery Amplifier for Stimulated EEG Recordings Webber WRS and Lesser, RP. *Epilepsia* 37(suppl. 5) 143, 1966.
238. Ictal Single Photon Emission Computed Tomography Accurately Localizes Extratemporal Epilepsy. Mullin P, Imperial A, Freeman J, Lesser R, Civelek AC, and Vining E. *Epilepsia* 37(suppl. 5) 196, 1966.
239. Use of a clustering algorithm for seizure detection: theoretical framework. Klatchko A, Raviv G, Webber WRS, and Lesser RP. American Clinical Neurophysiology Society Annual Meeting, Beverly Hills, California, September 14, 1997.
240. Molecular Knockdown of Neuronal Glutamate Transporter EAAT3 Produces Epilepsy and Dysregulation of GABA Metabolism. Abstracts Soc Neurosci 585.1 23:1484, 1997.
241. Laser evoked potentials recorded over the human cingulate and parasylvian cortex. Rios M, Lenz FA, Chau D, Krauss G, Zirh AT, Lesser RP. Abstracts Neurosci. 23:439, 1997.
242. Truly ictal SPECT is of major importance for reliable localization of seizure focus. Cysyk B, Sepkuty JP, Lesser RP, and Civelek AC. *Epilepsia* 38 (suppl 8):146, 1997.
243. Automated injection system (with patient selection) for SPECT imaging in seizure localization. Sepkuty JP, Lesser RP, Cysyk B, Civelek AC, Webber R, Shipley R, and Ford P. *Epilepsia* 38 (suppl 8):146, 1997.
244. Enhancing the Detection of Seizures with a Clustering Algorithm: Practical Implementation. Klatchko A, Raviv G, Webber WRS, and Lesser RP. *Epilepsia* 38 (suppl 8):213, 1997.
245. Effectiveness of Clonazepam Bridge Therapy for Reducing Seizures and Side Effects During Initiation of Chronic Anticonvulsants. Sanders PT, Kopczynski AM, Lesser RP, Krauss GL. *Epilepsia* 39(suppl 6):51, 1998.
246. Using Automated Injection System Shortens the Injection Time of Single Photon Emission Computerized Tomography (SPECT) Tracer. Sepkuty JP, Civelek CA, Cysyk B, Lesser RP. *Epilepsia* 39(suppl 6):104, 1998.
247. Patient Movement Alone, Without Seizure Activity, Does Not Cause a Significant Localized Increase in Uptake During SPECT (Single Photon Emission Computed Tomography). Cysyk B, Sepkuty JP, Lesser RP, Civelek CA, Crone NE.
248. Pulse Stimulation Can Stop Bursts of Afterdischarges in Humans. Lesser RP, Kim SH, Beyderman L, Krauss G, Cysyk B, Sanders P. *Epilepsia* 39(suppl 6):200, 1998.
249. SPECT and Memory Function During Intracarotid Amobarbital Injection. Tesoro MA, Miglioretti D, Lesser RP, Krauss G, Crone NE, Vining EP, Lenz FA. *Epilepsia* 39(suppl 6):245, 1998.



250. Functional mapping of word production in human sign language using electrocorticographic spectral analysis. Crone NE, Hart J, Hao L, Miglioretti DL, Lesser RP, Gordon B. *Neurology*, 52(suppl.2):A233, 1999.
251. Object Activation via AFeature Binding@ in the Semantic System Using fMRI. Hart J Jr, Kremen S, Gordon B, Lesser RP, Kraut M. Abstract # 724.8. *Soc Nsci Abstracts* 25:1813, 1999
252. Brief Pulse Stimulation is more likely to Terminate Afterdischarges during their Negative Phase. Motamedi GK, Lesser RP, Miglioretti D, Gordon B, Webber WRS, Sepkuty J, Crone N. *Epilepsia* 40: suppl 7:136, 1999.
253. Wavelet Cross-correlation Analysis Can Help Predict Whether Bursts of Pulse Stimulation will Terminate After Discharges. Mizuno-Matsumoto Y, Motamedi GK, Webber WRS, and Lesser RP. *Neurology* 54 (suppl 3): A293, 2000.
254. Wavelet-Crosscorrelation Mapping Can Reveal How the Brain Conditions Change with Brief Pulses of Stimulation. Mizuno-Matsumoto Y, Shimojo S, Kadobayashi Y, Date S, Tamura S, Shinosaki K, Takeda M. *Epilepsia* 41 (suppl. 7): 211, 2000.
255. Psychogenic Non-Epileptic Seizures and Other Psychological Issues in Epilepsy. Gates JR, Lesser RP, Manchanda R, Wyllie E. *Epilepsia* 41 (suppl. 7): 242, 2000.
256. Hippocampal Stimulation to Terminate Epileptiform Discharges in an In Vitro Epilepsy Model. Motamedi GK, Rogawski MA, Bergey GK, Webber WR, Lesser RP. *Epilepsia* 41 (suppl. 7): 246, 2000.
257. Anterior spinal cord injury with preserved neurogenic 'motor' evoked potentials. Robert E. Minahan MD; Jehuda P. Sepkuty MD; Ronald P. Lesser MD; Paul D. Sponseller MD; and John P. Kostuik MD. *American Society of Neurological Monitoring* 5/12/01.
258. Surgical Anterior Spinal Cord Injury with Preserved Neurogenic "Motor" Evoked Potential Monitoring. Robert E. Minahan MD; Jehuda P. Sepkuty MD; Ronald P. Lesser MD; Paul D. Sponseller MD; and John P. Kostuik MD. *Neurology* 56 (suppl 3): A397-A398, 2001.
259. Autosomal dominant nocturnal partial epilepsy (ADNPE) in a Korean Kindred. Cho YW, Motamedi GK, Lesser RP, Sohn SI, Lim JG, Lee H, Yi SD. *Epilepsia* 42(suppl 7):21, 2001.
260. Efficacy of levetiracetam for treatment of drug-resistant generalized epilepsy. *Epilepsia* 42(suppl 7):181, 2001.
261. Hypothermia terminates epileptiform discharges in an in vitro epilepsy model. Smith EL, Motamedi GK, Lesser RP, Rogawski MA. *Epilepsia* 42(suppl 7):230, 2001.
262. When Is Brief Pulse Stimulation Most Likely to Suppress after Discharges? An Approach Using Neighbor Cross-Correlation Coefficient..Lee HW, Webber WRS, Skolasky RL, Beyderman L, Motamedi GK, Mizuno-Matsumoto Y, Cho YW, Lesser RP. *Neurology*, 2002; A453-454.

## BOOK REVIEWS

1. Attention, Voluntary Contraction and Event-Related Cerebral Potentials. Ed. Desmedt JE. Basel, S Karger, 1977. Neurology 28:739-740, 1978.
2. Fundamentals of Electroencephalography, 2nd Edition. Kooi KA, Tucker RP, Marshall RE. Hagerstown, Harper and Row, 1978. Neurology 29:762, 1979.
3. Cognitive Components in Cerebral Event Related Potentials and Selective Attention. Ed. Desmedt, JE Basel, S Karger, 1979. Neurology 31:116, 1981.
4. Clinical Uses of Cerebral Brain Stem and Spinal Somatosensory Evoked Potentials. Ed. Desmedt, JE Basel, S Karger, 1980. Neurology 31:235, 1981.
5. Clinical Applications of Evoked Potentials in Neurology. Courjon J, Mauguiere F, Revol M (Eds.). Adv in Neurol, Vol. 32. Raven Press, New York, 1982. Epilepsia 24:385, 1983.
6. Antiepileptic Drugs, 2nd Edition. Woodbury DM, Penry JK, Pippenger CE. Raven Press, New York, 1982. Therap Drug Monit, 5:373-374, 1983.
7. Adverse Effects of Antiepileptic Drugs. Schmidt D. Raven Press, New York, 1982. Therap Drug Monit, 5:374, 1983.
8. The Epilepsy Handbook. Gumnit RJ. Raven Press, New York, 1983. Therap Drug Monit, 5:509-510, 1983.
9. Chronic Toxicity of Antiepileptic Drugs. J Oxley, D Janz, H Meinardi (Eds.). Raven Press, New York, 1983. Therap Drug Monit, 6:257-258, 1984.
10. Selected Papers of Morris B. Bender. RP Friedland (Ed.). Raven Press, New York, 1983. J Clin Neurophysiol, 2:88, 1985.
11. Neurotransmitters, Seizures and Epilepsy II. Fariello RM, Morselli PL, Lloyd KG, Quesney LF, Engel J Jr. (Eds.). Raven Press, New York, 1984. Therap Drug Monit, 7:246, 1985.
12. Biorhythms and Epilepsy. Martins da Silva A, Binnie CD, Meinardi H. (eds.). Raven Press, New York, 1985. Therap Drug Monit 8:247, 1986.
13. Tolerance to Beneficial and Adverse Effects of Antiepileptic Drugs. Frey H-H, Froscher W, Koella WP, and Meinardi H (eds.). Raven Press, New York, 1986. Therap Drug Monit, in press.
14. Neurobehavioral Problems in Epilepsy. Advances in Neurology, volume 55. Smith DB, Treiman DM, and Trimble MM. Raven Press, New York, 1990. J Clin Neurophysiol 9:167, 1992.
15. Principles of Brain Stimulation. Yeomans JS. Oxford University Press, New York, 1990. J Clin Neurophysiol 9:168, 1992.
16. Electrodiagnosis in Clinical Neurology, 3rd edition. Aminoff M. Churchill Livingstone, New York, 1992. Electroenceph clin Neurophysiol 86:447, 1993.
17. A Textbook of Epilepsy, 4th edition. - Laidlaw J, Richens A and Chadwick D (eds). Churchill Livingstone, Edinburgh, 1993. Electroenceph clin Neurophysiol 90:251, 1994.

18. Photosensitive Epilepsy, New Edition. Harding GFA and Jeavons PM. MacKeith Press, London, 1994. Nature Medicine 1:589-590, 1995.

#### INVITED TALKS

1. Visual Evoked Responses. Eastern and New England Societies of EEG Technologists, Annual Course. Burlington, Vermont, March 7, 1981.
2. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds, University of Texas Southwestern Medical School, Department of Neurology. Dallas, Texas, October 1981.
3. Evaluation of the Patient with Episodic Phenomenon: Epilepsy or ? Tharp B and Lesser R. Workshop at Joint Annual Meeting of American Electroencephalographic Society and American Epilepsy Society. Phoenix, Arizona, November 1982.
4. Operative Monitoring. Evoked Potential Symposium. Duke University Medical Center, Durham, North Carolina, March 1983.
5. Methods of Presurgical Investigations of Focal Seizure Disorders. Central Association of Electroencephalographers Symposium. Indianapolis, Indiana, March 25, 1983.
6. The Use of Subdural and Epidural Electrodes in the Evaluation and Treatment of Intractable Seizures. Given to UCLA Department of Neurology, Los Angeles, California, May 4, 1983.
7. Invasive Evoked Potential Monitoring. Course on Evoked Potential Monitoring in the Operating Room and Critical Care Unit. Nicolet Biomedical Instruments and City of Faith Medical and Research Center, Tulsa, Oklahoma, September 23, 1983.
8. Technical Aspects of Evoked Potential Monitoring. Workshop on Evoked Potentials. 7th International Congress of Electromyography. Munich, Federal Republic of Germany, October 12, 1983.
9. Polarity Convention, Localization, Electrical Fields and Montages. Annual EEG Course, American Electroencephalographic Society. New Orleans, Louisiana, October 17, 1983.
10. Surgery of Epilepsy: Neurophysiologic Evaluation of the Human Cortex Including Evoked Potentials and Cortical Stimulation. Lueders H, Lesser RP. Workshop, American Electroencephalographic Society. New Orleans, Louisiana, October 20, 1983.
11. Somatosensory Evoked Potentials: Anatomy and Physiology. Diagnostic Applications in Neurologic Disease. Operative Monitoring I. Evoked Potential Symposium. Duke University Medical Center, Durham, North Carolina, March 11, 1984.
12. Visual EP's: Methodology and Normal Controls. Lesser RP. Course on Advanced Evoked Potentials. American Academy of Neurology. Boston, Massachusetts, April 9, 1984.
13. Use of Evoked Potentials in the Operating Room. American EEG Society and American Society of EEG Technologists, Joint Symposium on the Use of Neurophysiologic Techniques in the Operating Room. Salt Lake City, Utah, September 14, 1984.

14. Medical Diseases and Disorders Manifested by Seizures: Complications of Cerebrovascular Disease. American Epilepsy Society Course. San Francisco, California, November 6, 1984.
15. Surgical Therapy of Epilepsy at the Cleveland Clinic. Department of Neurology, UCLA School of Medicine, Los Angeles, California, November 14, 1984.
16. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, November 26, 1984.
17. Treatment of Acute Focal Cerebral Ischemia. Pennwalt Corporation Pharmaceutical Division Seminar. Rochester, New York, December 5, 1984.
18. The Auditory Brainstem Response in Neurological Diagnosis. Auditory Evoked Potentials Workshop, Veterans Administration Mid-Atlantic Regional Medical Education Center, Cleveland, Ohio, June 25, 1985.
19. Clinical Correlates of Abnormal VEPs. American Society of EEG Technologists, Annual Course, Orlando, Florida, October 7, 1985.
20. Basic Concepts of Polarity and Localization. American EEG Society, Annual Course, Orlando, Florida, October 7, 1985.
21. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds. Neurological Institute of New York, Columbia-Presbyterian Medical Center, New York, New York, October 30, 1985.
22. Current Trends in Long Term Monitoring and Treatment for Persons with Epilepsy. The Further Evaluation of Patients with Seizures Intractable to Medication. New York State Epilepsy Association Continuing Education Course. Mt. Sinai Medical Center, New York, New York, November 1, 1985.
23. Mental Deterioration in Epilepsy. Merritt-Putnam Symposium. American Epilepsy Society Annual Meeting, New York, New York, December 5, 1985.
24. Newer Methods for the Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds, Johns Hopkins Hospital, Baltimore, Maryland, January 21, 1986
25. Presenter of Workshop. Cortical Functional Mapping by Electrical Stimulation Using Chronic Subdural Electrodes. International Neuropsychological Society Meeting, Denver, Colorado, February 5, 1986. *J Clin Exp Neuropsychol* 7:599, 1986.
26. Use of Extracranial EEG Recordings for the Localization of Focal Seizures. International Conference on the Surgical Treatment of Epilepsy. Palm Springs, California, February 21, 1986.
27. Extraoperative Diagnostic EEG Evaluation of Patients for Seizure Surgery. Western EEG Society-Western Institute on Epilepsy Joint Meeting. Palm Springs, California, February 27, 1986.
28. Electroencephalography in Epilepsy. Barrow Neurological Institute Annual Symposium, Phoenix, Arizona, March 1, 1986.
29. Epilepsy and the Study of the Brain. Johns Hopkins Hospital, Baltimore, Maryland, April 10, 1986.

30. Seminar Director. The Monotherapy of Epilepsy. American Academy of Neurology Breakfast Seminar No. 327, New Orleans, Louisiana, May 2, 1986. *Neurology* 36 (Suppl 1):60, 1986.
31. Recording Techniques and Clinical Correlations of Intraoperative SEP. American Society of Electroencephalographic Technologists Annual Meeting. Philadelphia, Pennsylvania. September 22, 1986.
32. Visiting Professor, Uniformed Services University of the Health Sciences, Bethesda, Maryland. October 22-23, 1986: Contemporary Concepts of the Evaluation and Treatment of Seizure Disorders. Walter Reed Army Medical Center. October 22, 1986.
33. Somatosensory Evoked Potentials. Department of Neurology Grand Rounds. Bethesda Naval Hospital, October 23, 1986.
34. Contemporary Concepts on Evaluation and Treatment of Seizure Disorders. Department of Neurology Grand Rounds. Bethesda Naval Hospital. October 23, 1986.
35. Current Trends in Medical and Surgical Treatment of Epilepsy. (with R. Fisher, M.D.) Epilepsy Association of Maryland Professional Symposium: "Perspectives of Epilepsy." Baltimore, Maryland, October 24, 1986.
36. Surgical Considerations in Epilepsy. Panel Discussion before the Maryland Neurological Society. Baltimore, Maryland, December 4, 1986.
37. The Role of Electroencephalography in the Treatment of Intractable Seizures. Maryland Electroencephalographic and Neurodiagnostic Technicians Association. Baltimore, Maryland. December 13, 1986.
38. Aspects of Psychosis, Seizures, and Psychogenic Seizures. Department of Psychiatry Grand Rounds, Washington Veterans Administration Medical Center, Washington, D.C. February 6, 1987.
39. Seminar Director. Clinical Differentiation of Seizure Disorders. American Academy of Neurology Breakfast Seminar #327. New York City. April 11, 1987.
40. Newer Techniques in EEG. American Academy of Neurology Annual Course #221: Clinical EEG. New York City. April 11, 1987.
41. Epilepsy Monitoring. American Association of Neuroscience Nurses. Baltimore, Maryland. April 13, 1987.
42. EEG and Evoked Potentials in the Operating Room. Eastern Society of Electroencephalographic and Neurodiagnostic Technologists Spring Meeting. Baltimore, Maryland. April 25, 1987.
43. Fits, Faints, and Facsimiles: Behavioral Aspects of Seizures and Pseudoseizures. Member of faculty of a program on the satellite television series "Mind and Body," on Health Information Network. Princeton, New Jersey. May 1, 1987.
44. Intensive Monitoring for Epilepsy. Hans Berger Day, Medical College of Virginia. Richmond, Virginia. May 18, 1987.

45. Intensive Monitoring. Epilepsy Association of Maryland Symposium on "The Child with Epilepsy." Baltimore, Maryland. May 22, 1987.
46. Intensive Monitoring for Epilepsy. Washington Hospital Center Monthly Staff Meeting, Washington, D.C. May 27, 1987.
47. Selection of Epilepsy Patients for Seizure Surgery. American Neurological Association Annual Meeting. San Francisco, California. October 20, 1987. *Annals of Neurology* 22:107, 1987.
48. Current Concepts Regarding the Diagnosis and Treatment of Seizures. Grand Rounds, Memorial Hospital, Pawtucket, Rhode Island. November 11, 1987.
49. Cerebrovascular Disease as a Cause of Epilepsy. Symposium on Predictors of Epilepsy, American Epilepsy Society Annual Meeting. Baltimore, Maryland. December 8, 1987. *Epilepsia* 28:620, 1987.
50. Management of Intractable Seizures. Neurology Grand Rounds, Albert Einstein Medical College, Bronx, New York. December 2, 1987.
51. Diagnosis and Treatment of Seizure Disorders. Winchester, Virginia, January 6, 1988.
52. Current Concepts Regarding the Management of Epilepsy. Neurology Grand Rounds, University of Medicine and Dentistry of New Jersey, New Brunswick and Newark, New Jersey. February 3, 1988.
53. Current Concepts in the Treatment of Seizures. Saint Joseph Hospital Symposium on Practical Neurology for the Primary Care Physician. Towson, Maryland. March 12, 1988.
54. Electrodiagnostic Testing in Epilepsy. American Academy of Neurology Annual Course Number 204. Cincinnati, Ohio. April 17, 1988.
55. Seminar Director. Diagnosis of Non-Convulsive Status. American Academy of Neurology Dinner Seminar Number 407. Cincinnati, Ohio. April 17, 1988.
56. Seminar Director. Psychosocial Characteristics of Psychogenic Seizures. American Academy of Neurology Dinner Seminar Number 414. Cincinnati, Ohio. April 18, 1988.
57. Sleep and Epilepsy. Epilepsy Association of Maryland Symposium on "Epilepsy and its Imitators." Baltimore, Maryland. May 6, 1988.
58. Diagnosis and Treatment of Intractable Seizures. Northern Virginia Consortium for Neurological Care. Alexandria Hospital, Alexandria, Virginia. May 7, 1988.
59. Neurophysiological and Neuropsychological Concomitants of Epilepsy in Humans. Department of Neurology Spring Symposium on Epilepsy. University of Virginia Medical Center, Charlottesville, Virginia. May 10, 1988.
60. Anticonvulsant Management of Epilepsy. Fairfax Hospital, Falls Church, Virginia. May 24, 1988.
61. Cognitive and Emotional Effects of Epilepsy. Metropolitan Hospital, New York City, New York. May 25, 1988.
62. Arriving at the Surgical Options for Intractable Seizures. Ciba-Geigy Conference on "Carbamazepine's Place in Antiepileptic Drug Therapy." Hot Springs, Virginia. June 2, 1988.

63. Approaches to Intractable Seizures. Florida Society of Neurology/Epilepsy Foundation of Florida Combined Meeting. Orlando, Florida. July 15, 1988.
64. Contemporary Concepts of Epilepsy Surgery. Florida Society of Neurology/Epilepsy Foundation of Florida Combined Meeting. Orlando, Florida. July 16, 1988.
65. Diagnosis and Treatment of Intractable Seizures. Montgomery General Hospital Medical Surgical Grand Rounds. August 18, 1988.
66. Seminar Director. Corticography and Intracranial Monitoring. American EEG Society / American EMG Society Joint Annual Meeting. San Diego, California. October 4, 1988.
67. Diagnosis and Treatment of Intractable Seizures. Nassau County Medical Center. East Meadow, New York. November 18, 1988.
68. New Techniques for the Diagnosis and Treatment of Intractable Seizures. National Institute of Neurological Disorders and Stroke, National Institutes of Health. Bethesda, Maryland. January 6, 1989.
69. Epilepsy-Seizure Control and Diagnosis. Malcom-Grow Medical Center. Andrews Air Force Base, Maryland. January 27, 1989.
70. Diagnosis and Treatment of Intractable Seizures. Dewitt Army Hospital. Ft. Belvoir, Virginia. March 6, 1989.
70. Evaluation of Intractable Seizures. Department of Neurology Grand Rounds, Medical College of Pennsylvania. Philadelphia, Pennsylvania. March 14, 1989.
71. Diagnosis and Treatment of Intractable Seizures. Mercy Catholic Medical Center. Darby, Pennsylvania. April 5, 1989.
72. Medical Alternatives for Uncontrolled Seizures. American Academy of Neurology Course Number 145, "Clinical Epilepsy." Chicago, Illinois. April 13, 1989.
73. Surgery for Epilepsy. American Academy of Neurology Course Number 344, "Therapy in Neurology." Chicago, Illinois. April 18, 1989.
74. Visiting Professor, Department of Neurology, Mayo Clinic, Rochester, Minnesota. May 16-17, 1989.
75. Management of Epilepsy. Alexian Brothers Hospital. Elizabeth, New Jersey. June 7, 1989.
76. Long-term Assessment of Patients with Intractable Seizures. Massachusetts General Hospital, Boston, Massachusetts, June 14, 1989.
77. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds. Massachusetts General Hospital. Boston, Massachusetts. June 15, 1989.
78. Evaluation of Intractable Seizures. Department of Neurology Grand Rounds, Loyola University Medical Center, Chicago, Illinois. September 8, 1989.

79. Current Concepts Regarding the Management of Epilepsy. Department of Neurology Grand Rounds, Emory University, Atlanta, Georgia. September 15, 1989.
80. An Overview of Diagnosis and Treatment of Seizure Disorders. Gilmore Center, Kalamazoo, Michigan. September 29, 1989.
81. Neurophysiological Investigations in Connection with Epilepsy Surgery. University of Umeå. Umeå, Sweden, October 27, 1989.
82. Preoperative Investigations in Epilepsy Surgery. Department of Neurology Grand Rounds, University of Göteborg, Göteborg, Sweden. October 31, 1989.
83. Contemporary Concepts Regarding the Diagnosis and Treatment of Epilepsy. Department of Neurology Grand Rounds, George Washington University Medical Center, Washington, D.C. November 10, 1989.
84. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds, Lahey Clinic Medical Center. Burlington, Massachusetts. November 15, 1989.
85. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds, Downstate Medical Center, Brooklyn, New York. December 13, 1989.
86. Principles of Anticonvulsant Management. Department of Neurology Grand Rounds, Naval Medical Center, Bethesda, Maryland. January 12, 1990.
87. Current Methods for Investigating and Treating Intractable Seizure Disorders. Suburban Hospital, Bethesda, Maryland. January 31, 1990.
88. Prognosis and Treatment of Epilepsy. Albert Einstein Medical Center. Philadelphia, Pennsylvania. February 27, 1990.
89. Treatment of Epilepsy. Department of Neurology Grand Rounds, Temple University School of Medicine. Philadelphia, Pennsylvania. February 27, 1990.
90. Non-Convulsive Neurologic Aspects of Non-Epileptic Seizures. Conference on: The Dilemma of Non-Epileptic (Pseudoepileptic) Seizures. Fort Lauderdale, Florida. March 1-3, 1990.
91. Assessment of Surgical Outcome. Lesser RP and Fisher R. NIH Consensus Development Conference on Surgery for Epilepsy, March 19-21, 1990. Bethesda, Maryland.
92. Current Concepts Regarding the Diagnosis and Treatment of Seizure Disorders. Department of Neurology Grand Rounds, Barrow Neurological Institute, St. Joseph's Hospital, Phoenix, Arizona. April 20, 1990.
93. New Methodologies for the Evaluation of Seizure Disorders. Hans Berger Symposium, Medical College of Virginia, Richmond, Virginia. May 21, 1990.
94. Moderator, Seminar on Adult Seizures. Second Cleveland Clinic International Epilepsy Symposium. June 20, 1990.



95. Johns Hopkins Experience with Extraoperative vs Intraoperative Functional Mapping. Seminar. Second Cleveland Clinic International Epilepsy Symposium. June 22, 1990.
96. EEG Digitalization: Format for Storage and Interlab Transmission. Workshop. Second Cleveland Clinic International Epilepsy Symposium. June 23, 1990.
97. Functional Mapping of the Human Brain. Johns Hopkins University Mind-Brain Institute, Cross Keys Inn, Baltimore, Maryland. June 29-30, 1990.
98. Diagnosis and Treatment of Intractable Seizures. Department of Neurology Grand Rounds, George Washington University Hospital, Washington, D.C. July 13, 1990.
99. Anticonvulsant Management of Seizure Disorders. Department of Neurology Grand Rounds, Bowman Gray School of Medicine, Winston-Salem, North Carolina. July 17, 1990.
100. Epilepsy-Current Treatment. Kaiser Permanente, Grand Rounds, Raleigh, North Carolina. September 13, 1990.
101. Epilepsy and Psychiatry. Department of Psychiatry Grand Rounds, Robert Wood Johnson School of Medicine, Cooper Hospital, Camden, New Jersey. September 14, 1990.
102. Diagnosis and Management of Intractable Seizures. Howard University Hospital, Washington, D.C. September 21, 1990.
103. Testing New Medicines: The Why and How of Clinical Trials. EFA National Conference "New Realities". Alexandria, Virginia, October 7, 1990.
104. Treating Epilepsy: Monitoring Update. EAM Symposium "Epilepsy in the '90's..Medical & social Issues. Baltimore, Maryland, October 12, 1990.
105. Mapping Cerebral Function by Electrical Stimulation. Eastern Assn. of Electroencephalographers "New Developments in the In Vivo Imaging of Brain Structure and Function. St. Vincent's Hospital, New York, November 28, 1990.
106. Diagnosis and Treatment of Intractable Seizures. Johnstown, Pennsylvania. December 13, 1990.
107. Seizure Disorders and Current Drug Treatment. Washington Adventist Hospital, Takoma Park, Maryland. December 14, 1990.
108. Seizure Disorders - Diagnosis and Surgical Treatment. St. Joseph's Hospital, Towson, Maryland. December 19, 1990.
109. Diagnosis and Treatment of Epilepsy. Southern Maryland General Hospital, Clinton, Maryland. February 20, 1991.
110. Current Concepts Regarding the Diagnosis and Treatment of Seizure Disorders. Neurology Grand Rounds, University of Virginia Hospital, February 22, 1991.
110. The Diagnosis and Treatment of Intractable Seizures. Neurology Grand Rounds, Walter Reed Army Medical Center, Washington, D.C., February 27, 1991.

111. Medical and Surgical Options for the Treatment of Epilepsy. Sibley Memorial Hospital, Washington, D.C., April 5, 1991.
112. Selection and Management of Candidates for Epilepsy Surgery. Neurology Grand Rounds, Cornell University-New York Hospital Medical Center, New York, New York. April 9, 1991.
113. Diagnosis and Treatment of Seizure Disorders. Neurology Grand Rounds, Mt. Sinai Hospital School of Medicine. New York, New York. April 10, 1991.
114. Evaluation of Patients with Epilepsy. Delaware Academy of Medicine, Wilmington, Delaware. April 30, 1991.
115. Diagnosis and Treatment of Intractable Seizures. Neurology Center, Chevy Chase, Maryland. May 13, 1991.
116. Update on Epilepsy. Kent-Queen Anne's Hospital, Chestertown, Maryland. May 29, 1991.
117. Cognitive and Emotional Correlates of the Epilepsies. Neurology-Psychiatry Joint Conference, Crozier-Chester Medical Center, Chester, Maryland, June 12, 1991.
118. Seizure Disorders. Montgomery General Hospital, Olney, Maryland. June 13, 1991.
119. Evaluation of Candidates for Epilepsy Surgery. Department of Neurology Grand Rounds, University of Maryland, Baltimore, Maryland. September 4, 1991.
120. Epilepsy. Department of Medicine Grand Rounds, National Naval Medical Center, Bethesda, Maryland. September 13, 1991.
121. Assessment of Candidates for Epilepsy Surgery. Epilepsy Program, New York University Medical Center-Hospital for Special Surgery. September 20, 1991.
122. Surgical Treatment of Epilepsy. Department of Neurology Grand Rounds, State University of New York - Downstate Medical Center, Brooklyn, New York. September 25, 1991.
123. Diagnosis and Treatment of Seizure Disorders. Department of Medicine Grand Rounds, Greater Baltimore Medical Center. September 26, 1991.
124. Epilepsy. Department of Neurology Grand Rounds. National Naval Hospital, Bethesda, Maryland. September 27, 1991.
125. Current Methods for the Analysis of Patients with Seizure Disorders. Department of Neurology Grand Rounds, University of California School of Medicine, San Francisco, California. February 19, 1992.
126. Epilepsy. Harrisburg Hospital, Harrisburg, Pennsylvania. March 25, 1992.
127. EEG Evaluation for Epilepsy Surgery. Given as part of course on "Progress in Epilepsy: New Concepts in Diagnosis and Management" sponsored by Medical College of Virginia. Baltimore, Maryland, March 28, 1992.

128. Language Function in the Brain. Medical Grand Rounds, The Milton S. Hershey Medical Center, Pennsylvania State University, Hershey, Pennsylvania, April 30, 1992.
129. Digital EEG in Epilepsy. During Symposium on: Impact of Digital EEG on Neurodiagnosis. American Academy of Neurophysiology. June 26, 1992.
130. Recovery of Function Following Injury to Essential Cortical Areas. Participant in symposium sponsored by American EEG Society. San Francisco, California, September 18, 1992.
131. Digital EEG. Given to BA User Group Satellite Symposium, Japanese Society of EEG and EMG, Tokyo, Japan. October 7, 1992.
132. Design Principles for Computerized EEG. Given as part of Symposium sponsored by Boi-Logic Systems Corporation, Taipei, Taiwan. October 12, 1992.
133. What we have Learned about Treating Epilepsy and what Epilepsy has Taught us about the Brain. Department of Brain Pathophysiology, Kyoto University Faculty of Medicine, Kyoto, Japan. October 14, 1992.
134. Aspects of the Diagnosis and Treatment of Patients with Intractable Seizures. Departments of Neurosurgery and Neurology, School of Medicine, University of Occupational and Environmental Health, Kitakyushu, Japan. October 15, 1992.
135. Surgical Treatment. Given as part of Symposium on: "Epilepsy. Today & Tomorrow: What, Why, When & How." Sponsored by The epilepsy Association of Maryland, The University of Maryland School of Medicine, The Maryland Nurses Association. Baltimore, Maryland. Friday, November 13, 1992.
136. The Appropriate Use of Electrodiagnostic Tests: When to Order EEG and Evoked Potentials. Given as part of course: "Neurology for the Primary Practitioner." Baltimore, Maryland, December 12, 1992.
137. What Has Epilepsy Taught Us About the Brain. Department of Neurology, University of Pittsburgh, Pittsburgh, Pennsylvania, January 13, 1993.
138. Surgery of Epilepsy. Department of Neurology Grand Rounds, Boston University, January 28, 1993.
139. Director, Symposium on "Functional and Anatomical Imaging in Neurophysiology and Epilepsy, American Society of Neuroimaging, Orlando, Florida, February 5, 1993.
140. Overview: Electrophysiological Data Acquisition. Given as part of symposium on "Functional and Anatomical Imaging in Neurophysiology and Epilepsy, American Society of Neuroimaging, Orlando, Florida, February 5, 1993.
141. Approaches to Candidates for Epilepsy Surgery. Medical College of Pennsylvania, Philadelphia, Pennsylvania, March 16, 1993.
142. Current Insights Regarding the Treatment of Epilepsy. Department of Medicine, Harbor Hospital, Baltimore, Maryland. May 7, 1993.
143. Practical Issues in Epilepsy Diagnosis. Given as part of Second Annual Albany Epilepsy Symposium, Albany Medical College, Albany New York. May 21, 1993.

144. Cortical Localization. American Society of Neurophysiological Monitoring Annual Meeting. Baltimore, Maryland. May 22, 1993.
145. Refractory Epilepsy & Management Aspects. Medical Grand Rounds, Perry Point Veterans' Administration Medical Center, Perry Point, Maryland. May 26, 1993.
146. Current Insights Regarding the Treatment of Epilepsy. Department of Medicine, Liberty Medical Center, Baltimore, Maryland. June 2, 1993.
147. Current Insights Regarding the Treatment of Epilepsy. Department of Medicine, Sinai Hospital of Baltimore. Baltimore, Maryland. June 9, 1993.
148. Continuous EEG Monitoring. Department of Neurology Grand Rounds, North Shore University Hospital, Manhasset, Long Island, New York. July 30, 1993.
149. New Methods for the Electrophysiological Diagnosis of Seizures. Tidewater Neurological Society, Norfolk, Virginia. September 14, 1993.
150. Diagnosis and Treatment of Epilepsy. Internal Medicine Grand Rounds, Eastern Virginia Medical School, Norfolk, Virginia. September, 15, 1993.
151. Clinical Applications: Central > Given at American Association of Electrodiagnostic Medicine - American EEG Society Joint Symposium on Quantitative Electrophysiology in Clinical Practice. AAEM - AEEGS Joint Annual Meeting, New Orleans, Louisiana. October 10, 1993.
152. Neural Networks and Seizure Detection. Lesser R and Litt B. Breakfast Workshop given at American Electroencephalographic Society Annual Meeting. October 11, 1993.
153. Developments in the Treatment of Epilepsy. Harford Memorial Hospital, Havre de Grace, Maryland, November 2, 1993.
154. The Management of the Adult Patient with Epilepsy. Carolinas Epilepsy Center and Presbyterian Specialty Hospital Seizure Monitoring Unit. Charlotte, North Carolina. February 4, 1994.
155. Treatment of Epilepsy. Department of Neurology, Hahnemann University Medical Center, Philadelphia, Pennsylvania. February 11, 1994.
156. Treatment of the Patient with Intractable Epilepsy. Neurology Clinic, Tuscaloosa, Alabama, March 15, 1994.
157. The Management of the Adult Patient with Epilepsy. Department of Neurology Grand Rounds, University of Alabama Hospital, Birmingham, Alabama. March 16, 1994.
158. Management of Epilepsy. Children's Hospital, Miami, Florida. March 25, 1994.
159. Studies of Organization of Language and Cognition in the Brain of Patients with Epilepsy. Department of Neurology, Wayne State University, Detroit, Michigan. September 23, 1994.

160. Indications of Electroencephalography and Video EEG Monitoring. Good Samaritan Hospital, Baltimore, Maryland. September 21, 1994.
161. Diagnosis and Treatment of Seizure Disorders. Department of Internal Medicine Grand Rounds, St. Agnes Hospital, Baltimore, Maryland. September 29, 1994.
162. Evaluation in Patients with Epilepsy. 17th Japanese Penfield Memorial Meeting, Tokushima, Japan. October 23, 1994.
163. Preoperative Evaluation of Pediatric Epilepsy Patients. 53rd Annual Meeting of the Japan Neurosurgical Society, Tokushima, Japan. October 28, 1994.
164. Use of Signal Analysis for the Evaluation of Patients with Seizure Disorders. Japan Society of EEG and EMG, Sendai, Japan. October 27, 1994.
165. The Assessment of Cognitive Function Utilizing Cortical Stimulation. Linguistics Section, New York Academy of Sciences, New York, New York. November 7, 1994.
166. Diagnosis and Treatment of Seizure Disorders. Medical Grand Rounds, Franklin Square Hospital, Baltimore, Maryland. November 10, 1994.
167. Electrodiagnostic Testing of the Central Nervous System. Department of Medicine Grand Rounds, Greater Baltimore Medical Center, December 22, 1994.
168. Selection of Patients for Epilepsy Surgery. Department of Neurology Grand Rounds, New York Medical College, Valhalla, New York. March 1, 1995.
169. Surgical Approaches to Patients with Intractible Seizures. Department of Neurology Grand Rounds, University of Illinois Chicago, Chicago, Illinois. April 27, 1995.
170. Rational Approach to Treatment. Merrit-Putnam Lectures on Epilepsy, Philadelphia, Pennsylvania. June 3, 1995.
171. Introduction to Epilepsy. Epilepsy Foundation of America 1995 National Conference. August 18, 1995.
172. Surgery of Epilepsy. Epilepsy Foundation of America 1995 National Conference. August 19, 1995.
173. An Integrated Approach to the Treatment of Epilepsy. Epilepsy Association of Maryland Symposium on "Treatment of Epilepsy." Frederick Maryland. November 3, 1995.
174. Psychogenic Seizures. Epileptology: Comprehensive Review with Practical Exercises. Symposium Organized by Department of Neurology, Cleveland Clinic. Hilton Head, South Carolina. November 6, 1995.
175. Seizure Disorders. Department of Medicine Grand Rounds, Union Memorial Hospital, Baltimore, Maryland. November 14, 1995.

176. Cerebral Function as Revealed by Cortical Stimulation. Lewis P. Rowland Professorship Scientific Symposium, Department of Neurology, Columbia-Presbyterian Medical Center. September 10, 1996.
177. Treatment Advances in Epilepsy. Department of Neurology, Northwestern University, Chicago, Illinois. September 17, 1996.
178. Normal and Abnormal EEGs in Adults. Second Neuroscience Colloquium, Tan Tock Seng Hospital, Singapore. October 18, 1996.
179. Pre-surgical Evaluation for Epilepsy Surgery. Second Neuroscience Colloquium, Tan Tock Seng Hospital, Singapore. October 20, 1996.
180. Psychogenic Seizures. Second Neuroscience Colloquium, Tan Tock Seng Hospital, Singapore. October 20, 1996.
181. Management of Epilepsy. St. Joseph's Hospital and Medical Center, Patterson, N.J., February 26, 1997.
182. Treatment of Complex Partial Seizures. Department of Neurology, St. Vincent's Hospital, New York, New York, April 10, 1997.
183. Surgery for Seizure Disorders. New York Medical College Symposium on Epilepsy, May 17, 1997.
184. Diagnosis and Treatment of Seizure Disorders. Harbor Hospital, Baltimore Maryland. July 18, 1997.
185. Seizure Disorders. Walter Reed Army Medical Center, Washington, D.C., December 3, 1997.
186. Motor and Sensory Mapping. American Epilepsy Society Annual Course, Boston, Massachusetts, December 7, 1997.
187. New Anticonvulsant Drugs. Minisymposium on Recent Advances in Epilepsy, American Academy of Clinical Neurophysiology Annual Meeting, New Orleans, Louisiana, January 30, 1998.
188. Special Considerations for Managing the Elderly with Epilepsy. American Epilepsy Society Merritt-Putnam Lectures on Epilepsy. Phoenix, Arizona. October 10, 1998.
189. Violence and Epilepsy. The Fall 1998 Joint Conference, Clifton T. Perkins Hospital Center & The medical Services of the Circuit Court for Baltimore City & University of Maryland Division of Forensic Psychiatry. Jessup, Maryland. November 12, 1998.
190. Treatment of Epilepsy in Adults. 18<sup>th</sup> Annual U.S. Army Medical Department Neurology Conference. A Update in Neurology. @ November 19, 1998.
191. Epilepsy. Harbor Hospital Center. Baltimore, Maryland. December 18, 1998.
192. Seizure Disorders. Huntington Hospital. Pasadena, California. February 22, 1999.

193. Functional organization of human cortex as documented with implanted electrodes. California Institute of Technology, Pasadena, California. February 22, 1999.
194. Information learned from subdural grid recordings in patients with intractable epilepsy. University of Southern California, Los Angeles, California. February 23, 1999.
195. Brain stimulation. Cedars-Sinai Medical Center, Los Angeles, California. February 23, 1999.
196. Update on the Treatment of Epilepsy. King-Drew Medical Center, Los Angeles, California. February 25, 1999.
197. Crisis psicógenas. Mesa redonda: Trastornos psiquiátricos y epilepsia. Li Reunión Anual del Sociedad Española de Neurología, Barcelona, December 16, 1999.
198. Brain stimulation of patients with seizures. Rhode Island Hospital, Brown University. April 19, 2000.
199. Brain stimulation in patients with epilepsy. University of Wisconsin, Madison, Wisconsin. May 19, 2000.
200. Cortical stimulation for the treatment of epilepsy. Southern Epilepsy and EEG Society Annual Meeting. June 3, 2001.
201. Epilepsy surgery and deep brain stimulation. Hackensack University Medical Center Epilepsy Symposium. Teaneck, New Jersey. June 7, 2001.

#### COMMITTEES AND PRESENTATIONS AT JOHNS HOPKINS

1. Management of Epilepsy. Department of Epilepsy Conjoint Clinics. November 1, 1986.
2. Chair, Department of Neurology Ad-hoc Committee on Brain Death. 1986-1987.
3. Member, Department of Neurology Ad-hoc Committee on Ambulatory Care. 1987-
4. Member, Department of Neurology Ad-hoc Committee on Computerized Data Bases. 1987-
5. Technical Aspects of Evoked Potential Recording. Department of Anesthesiology and Critical Care Medicine Lecture Series. March 20, 1987.
6. Diagnosis of Psychogenic Seizures. Topics in Clinical Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD. May 15, 1987.
7. Analysis of EEG of Patients with Intractable Seizures. SSD Group, Applied Physics Laboratory. May 27, 1987.
8. Epilepsy Monitoring. The Johns Hopkins Medical and Surgical Association Biennial Meeting. June 12, 1987.
9. Discussant, "Case Presentations: Epilepsy." as a part of a course entitled: Imaging Living Brain Chemistry: Principles and Practice. March 18, 1988.
10. Member, Ambulatory Care Information Systems Committee, 1988- .

11. Lectures: Epilepsy I and II. For the course "Introduction to the Human Brain. Mind-Brain Institute. November 2 and 4, 1988.
12. Member, Committee on Advisory Board Fellows and Professors, Johns Hopkins Applied Physics Laboratory. July 1, 1989 - June 30, 1991.
13. Lecture: Evaluation of Seizure Disorders in the Epilepsy Monitoring Unit". for the Divisions of Nuclear Medicine and Radiation Health Sciences. April 4, 1990.
14. Ad Hoc Consultant, Ethics Committee. July 1, 1989 - June 30, 1991.
15. Member, Neurology Department Committee on Appointments and Promotions. October, 1990 - June, 1991.
16. Lecture: "Epilepsy: Diagnosis and Treatment", Department of Neurosurgery, October 24, 1990.
17. Lecture: "Evoked Potentials", Department of Neurosurgery, February 20, 1991.
18. Lecture: "The Epilepsy Monitoring Unit", Department of Biomedical Engineering, April 19, 1991.
19. Lecture: "THE PROBLEM": Drug Refractory Epilepsy. PET and SPECT. Imaging of Living Brain Chemistry in Health and Disease. Given as part of course at Johns Hopkins Medical Institutions. March 12, 1992.
20. Member, Quality Council Subcommittee on Ancillary Services and Supporting Information Services, Johns Hopkins Outpatient Center, 1993 - 1994
21. Lecture: "Visualization Opportunities in the EEG," JHU Conference on Sensory Engineering: The Science of Virtual Environments. June 28, 1993.
22. Member, Physician Notification (Medical Records) Committee, 1993 - 1994
23. Ad-Hoc Consultant, Ethics Committee
24. Lecture: "Treatment of Epilepsy." Conjoint Clinic. May 14, 1994.
25. Member, Johns Hopkins Clinical Systems Advisory Committee, 1994 -
26. Lecture: "Epilepsy and Cortical Function Monitoring," Neuroengineering Symposium, Biomedical Engineering Department, November 4, 1994.
27. Member, Clinical Systems Advisory Committee, 1994-
28. Chairman, Johns Hopkins Electronic Record Steering Committee, 1995 -
29. Member, Telemedicine Task Force, 1994
30. Member, Clinical Data and Documentation Committee, 1996-
31. Member, Medical Records Documentation Compliance Steering Committee, 1996- 1997
32. Chairnan, Ad-hoc Committee on Compliance Implementation Methods, 1966- 1997



33. Member, Electronic Patient Record User Group, 1996-
34. Lecture: "The Electronic Patient Record." Given as part of course on Managed Care: Perspectives and Practices, School of Continuing Studies, Division of Business and Management, The Johns Hopkins University, November 7, 1996, March 5, 1997, March 31, 1998.
35. Member, Administrative Committee of the Medical Board, 1997
36. Lecture: "Management of Epilepsy." Fourth year medical student course on Rational Therapeutics, February 13, 1997, September 18, 1997.
37. Lecture: "Status epilepticus." Johns Hopkins Course on Neurological and Neurosurgical Emergencies. June 25, 1999.
38. Chair, Electronic Patient Record Users Group, 2000-
39. Lesser RP and Johnson KB. Electronic Aids for Clinical Care. The Johns Hopkins Medical and Surgical Association, Biennial Meeting. June 8, 2001.

#### MISCELLANEOUS

1. Four Channel Averager Plus Triggered Stimulation. Lesser RP, Schick G, and Zablow L. Decus Program Number LINC-126, Digital Equipment Corporation Users Society, 1977.
2. Rapid Capsule Wall Formation. Lesser RP and Engel M. Neurology 28:203-204, 1978. (Letter)
3. "Neurological Examination," "Record of Muscle Strength," "Record of Mental Function." Revision and development of forms in use at The Neurological Institute of New York, Columbia-Presbyterian Medical Center, New York.
4. "Pingpong gaze" Amplified. Reynard M, Wertenbaker C, Behrens M, Lesser R. et al. Neurology 29:757-758, 1979. (Letter)
5. Parkinsonism and Long-Term Levodopa. Lesser R and Fahn S. Neurology 30:1136-1137, 1980. (Letter)
6. Guest Editor, Special Section on Epilepsy, Cleveland Clinic Quarterly, Summer 1984.
7. Comments to article. Lesser RP and Hardy RW. A Quantitative Assessment of the Brain Stem Auditory Evoked Response During Intraoperative Monitoring by Zappulla R, Greenblatt E, Kaye S, Malis L. Neurosurgery 15:186-191, 1984.
8. Other Reports of Pilomotor Seizures. Lesser RP, Lüders H, Resor S. Neurology 35:286-287, 1985. (Letter)
9. Principles of Antiepileptic Drug Monitoring. Pippenger CE and Lesser RP. In: Hauser WA (project director). Current Trends in Epilepsy: A Self-Study Course for Physicians. New York State Epilepsy Association, 1985.

10. Comments to article. Lesser RP and Little JR. Limitations of Brain Stem Auditory Evoked Potentials for Intraoperative Monitoring During a Posterior Fossa Operation: Case Report and Technical Note by Piatt JH Jr., Radtke RA, Erwin CW. *Neurosurgery* 16:818-821, 1985.
11. Co-chair, Session on Clinical Epileptology. American Epilepsy Society Annual Meeting. New York, New York, December 3, 1985.
12. Guidelines in Electroencephalography - 1985. (Revisions of Guidelines 1-6 of American EEG Society). *J Clin Neurophysiol* 3(2):131-168, 1986 (committee chairman).
13. Preface. American Electroencephalographic Society Guidelines in EEG and Evoked Potentials 1986. *J. Clin. Neurophysiol* 3:V, 1986.
14. Clinical Preceptor, Public Health and Medical Aspects of Epilepsy. Clinical Education Program for Parke-Davis/Warner-Lambert Company Drug Representatives. Baltimore, Maryland. March 25-26, 1987.
15. Markers of Focal Epilepsy. Lesser RP. *Annals of Neurology*, Vol 21 (3):313, 1987. (Letter)
16. Intraoperative Somatosensory Evoked Potentials. Lesser RP. *Annals of Neurology* 21 (3):314-315, 1987. (Letter).
17. Invited Discussant, "Effect of Seizure Control on Behavior in Partial Seizures," by R.W. Homan and J.F. Collins. American Academy of Neurology Platform Session on Epilepsy I. April 19, 1988.
18. Invited Discussant, "Speech Manifestations in Lateralization of Temporal Lobe Seizures," by M.T. Gabr, H. Lüders, D. Dinner, H. Morris, and E. Wyllie. American Academy of Neurology Platform Session on Epilepsy I. April 19, 1988.
19. Principles of Antiepileptic Drug Monitoring. Pippenger CE and Lesser RP. In WA Hauser, editor: *Current Trends in Epilepsy: A self study course for physicians*. New York State Epilepsy Association and College of Physicians and Surgeons of Columbia University 1986. Reprinted and Expanded by Epilepsy Foundation of America, 1988. Unit II, pp. 23-39.
20. William G. Lennox International Visiting Professor (Awarded by the Epilepsy Foundation of America), University Hospital, Umeå, Sweden. October 23 - November 6, 1989.
21. Faculty, "Milestones in Medicine: New Horizons in the Control of Seizure Disorders". A Videotape production of the Epilepsy Foundation of America, 1989.
22. Aphasia as the Initial Manifestation of Epilepsy (editorial). *Mayo Clin Proc* 66:325-326, 1991.
23. Comments to article. Extent of Mesiotemporal Resection Determines Outcome after Temporal Lobectomy for Intractable Complex Partial Seizures. by Nayel MH, Awad IA, and Lüders H. *Neurosurgery* 29:55-61, 1991.
24. American Electroencephalographic Society Guidelines for Standard Electrode Position Nomenclature. Sharbrough F, Chatrian G-E, Lesser RP, Lüders H, Nuwer M, Picton TW. *J Clin Neurophysiol* 8:200-202, 1991.

25. Chair, Session on Epilepsy: Behavioral and Cognitive Aspects, American Academy of Neurology Annual Meeting, New York, New York, April 27, 1993.
26. Consultant, "Mind and Brain. Journey through the Mind and Body" by the Editors of Time-Life Books, Time-Life Books, Alexandria, Virginia, 1993.
27. Co-moderator, Platform Session D1, American EEG Society Annual Meeting, New Orleans, Louisiana, October 11-12, 1993.
28. Arroyo S and Lesser RP. PET, MRI, and Epilepsy. *Neurology* 43:2156, 1993 (letter).
29. Automatic detection of seizures using electroencephalographic signals. Olsen DE, Lesser RP, Harris JC, Webber WRS, Cristion JA. United States Patent # 5,311,876, 1994.
30. Psychogenic seizures. Lesser RP. *Neurology* 48:788, 1997 (letter).
31. Co-Chair, Symposium on Clinical and Economic Considerations of Epilepsy and its Medical Management.. Convened for the American Journal of Managed Care. Dallas, Texas May 17, 1998.
32. Ventricular asystole during vagus nerve stimulation for epilepsy in humans (letter). *Neurology* 54:776, 2000.
33. Technique for using heat flow management to treat brain disorders. R Lesser and WRS Webber. US Patent # 6,248,126.
34. Effect of food on absorption of Dilantin Kapseals and Mylan extended phenytoin sodium capsules. *Neurology* 58:667, 2002. (Letter).
35. Remission of intractable partial epilepsy following implantation of intracranial electrodes. *Neurology* 58:1317, 2002. (Letter)